# DEPARTMENT OF THE NAVY FY 1998/1999 BUDGET ESTIMATES



## JUSTIFICATION OF ESTIMATES

# PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 2

FEBRUARY 1997

## UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY

FY 1998/FY 1999 PROCUREMENT PROGRAMS

APPROPRIATION: 1109N Procurement, Marine Corps DATE: 02/04/97

	IDENT	DOLLARS FY 1998	FY 1	996	FY 19	997	FY 1	998	FY 1	999
LINE NO ITEM NOMENCLATURE	CODE	UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST
PLIDCET ACTIVITY 02: Weapons and Compat Vobi	olos									
BUDGET ACTIVITY 02: Weapons and Combat Vehi	cies									
Tracked Combat Vehicles	_				_		_		_	
1 2021 AAV7A1 PIP	Α			11.	5	14.0	)	13.	5	13.8 U
2 2038 LAV PIP	Α			22.	4	7.	7	0.0	3	1.4 U
3 2039 Light Armored Vehicle	Α			-		-		6.	7	- U
4 2063 Modification Kits (Trkd Veh)	Α			16.	8	0.9	5	4.	5	11.0 U
5 2105 Items Under \$2M (Trkd Veh)	Α			-		0.	1	0.	1	0.1 U
Artillery And Other Weapons										
6 2209 Mod Kits (Artillery)	Α			0.	1	1.1	1	1.8	3	2.6 U
7 2210 Items Under \$2M (All Other)	Α			2.	0	0.	1	0.8	3	0.1 U
8 2211 Marine Enhancement Program				-		7.	7	1.5	5	2.1 U
Weapons										
9 2185 155MM Lightweight Towed Howit	Α			-		-		-		7.6 U
TOTAL Weapons and Combat Vehicles				52.	7	31.	1	29.	5	38.7

#### UNCLASSIFIED

EXHIBIT P-1R

## DEPARTMENT OF THE NAVY FY 1998/FY 1999 PROCUREMENT PROGRAM - SUPPORT OF RESERVES

**TOTAL** Weapons and Combat Vehicles

APPROPRIATION: 1109N Procurement, Marine Corps DATE: FEB 1997 (DOLLARS) **IDENT** FY 1998 ----- FY 1996 --------- FY 1997 -------- FY 1998 -------- FY 1999 ----CODE UNIT COSTQUANTITY COST QUANTITY COST QUANTITY COST LINE NO ITEM NOMENCLATURE BUDGET ACTIVITY 02: Weapons and Combat Vehicles **Tracked Combat Vehicles** 1 2021 AAV7A1 PIP(RESERVE) 2.2 2 U Α 1.1 1.9 2 2038 LAV PIP(RESERVE) Α 6.6 2.6 0.2 U 3 2063 Modification Kits (Trkd Veh)( Α 5.8 U

13.5

4.4

2.2

2.2

## Procurement, Marine Corps Program and Financing (in Thousands of dollars) SUMMARY

Budget Plan (amounts for PROCUREMENT actions programed) 1996 actual 1997 est. 1998 est. 1999 est. Identification code 17-1109-0-1-051 \_\_\_\_\_ Program by activities: Direct program: 00.0101 Ammunition 52,740 31,126 29,539 38,706 24,208 53,371 46,680 103,857 00.0201 Weapons and combat vehicles 00.0301 Guided missiles and equipment 211,780 329,528 217,020 286,058 00.0401 Communications and electronics equipment 
 22,866
 28,216
 9,512
 178,029

 84,655
 94,855
 46,640
 57,982

 46,200
 42,593
 24,915
 30,904
 00.0501 Support vehicles 00.0601 Engineer and other equipment 00.0701 Spares and repair parts -----442,449 579,689 374,306 695,536 2,424 9,400 9,400 9,400 00.9101 Total direct program 01.0101 Reimbursable program \_\_\_\_\_\_ \_\_\_\_ 10.0001 Total 444,873 589,089 383,706 704,936 Financing: Offsetting collections from: 11.0001 Federal funds(-) -2,424 -9,400 -9,400 -9,400 17.0001 Recovery of prior year obligations Unobligated balance available, start of year: 21.4002 For completion of prior year budget plans 21.4003 Available to finance new budget plans -378 Unobligated balance available, end of year: 24.4002 For completion of prior year budget plans 442,072 579,689 374,306 39.0001 Budget authority \_\_\_\_\_\_ Budget authority: 40.0001 Appropriation 454,765 569,073 374,306 695,536 40.7501 Reduction pursuant to P.L. 104-208 (-), 8037(h) -940 41.0001 Transferred to other accounts (-) -14,008 42.0001 Transferred from other accounts 1,315 11,556 \_\_\_\_\_\_\_ 442,072 579,689 374,306 695,536 43.0001 Appropriation (adjusted) \_\_\_\_\_\_ Relation of obligations to outlays: 71.0001 Obligations incurred 72.4001 Obligated balance, start of year 74.4001 Obligated balance, end of year 77.0001 Adjustments in expired accounts (net) 78.0001 Adjustments in unexpired accounts 90.0001 Outlays (net)

## Procurement, Marine Corps Program and Financing (in Thousands of dollars) SUMMARY

		Obligations	3	
Identification code 17-1109-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:				
Direct program:				
00.0101 Ammunition	56			
00.0201 Weapons and combat vehicles	120,520	43,749	28,331 48,663 243,266	36,950
00.0301 Guided missiles and equipment	12,051	52,862	48,663	92,756
00.0401 Communications and electronics equipment	186,102	301,372	243,266	277,875
00.0501 Support vehicles	29,175	26,536	11,843 53,616	145,261
00.0601 Engineer and other equipment	86,586	92,257	53,616	58,127
00.0701 Spares and repair parts	71,182	37,751	26,323	30,591
00.9101 Total direct program	505,672	554,527	412,042	641,560
01.0101 Reimbursable program	328	11,824	9,400	9,400
10.0001 Total	506,000		421,442	
Financing:				
Offsetting collections from:				
11.0001 Federal funds(-)	-2,966	-9,400	-9,400	-9,400
17.0001 Recovery of prior year obligations Unobligated balance available, start of year:	-22,624			
21.4002 For completion of prior year budget plans	-159,153	-121,194	-143,932	-106,196
21.4003 Available to finance new budget plans	-378	121,171	113,752	100,100
Unobligated balance available, end of year:	370			
24.4002 For completion of prior year budget plans	121 194	143 932	106,196	160 172
21.1002 101 completion of pilot year badget plans				
39.0001 Budget authority	442,072	579,689	374,306	695,536
Budget authority:				
40.0001 Appropriation	454,765	569,073	374,306	695,536
40.7501 Reduction pursuant to P.L. 104-208 (-), 8037(h)		-940		
41.0001 Transferred to other accounts (-)	-14,008			
42.0001 Transferred from other accounts	1,315	11,556		
43.0001 Appropriation (adjusted)	442,072	579,689	374,306	
Relation of obligations to outlays:				
71.0001 Obligations incurred	503,034	556,951	412,042	641,560
72.4001 Obligated balance, start of year				
74.4001 Obligated balance, end of year	-883,949	-860,654	860,654 -753,608	-887,759
77.0001 Adjustments in expired accounts (net)	6,167			
78.0001 Adjustments in unexpired accounts	-22,624			
90.0001 Outlays (net)	454,037	580,246	519,088	507,409

## Procurement, Marine Corps Object Classification (in Thousands of dollars) SUMMARY

Identification code 17-1109-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Direct obligations:				
125.101 Advisory and assistance services	4,066	4,030	2,358	4,222
126.001 Supplies and materials	158,302	151,890	125,684	209,484
131.001 Equipment	343,304	398,607	284,000	427,854
199.001 Total Direct obligations	505,672	554,527	412,042	641,560
Reimbursable obligations:				
231.001 Equipment	328	11,824	9,400	9,400
299.001 Total Reimbursable obligations	328	11,824	9,400	9,400
999.901 Total obligations	506,000	566,351	421,442	650,960

	BU	JDGET ITEM JUST	IFICATION SHEET	DATE									
APPROPRIATION/BUDG	ET ACTIVITY:			P-1 ITEM NOMENCLATURE:									
PROCUREMENT, MARIN	E CORPS/BUDGET	ACTIVITY	2		AAV7A1 PRODUC	CT IMPROVEMENT	PROGRAM						
	RCN:	022421											
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003					
QUANTITY	0	0	0	0	0	0	0	0					
COST (IN MILLIONS)	\$ 11.5	\$ 14.0	\$ 13.5	\$ 13.8	\$ 2.6	\$ 2.7	\$ 3.0	\$ 3.1					

The AAV7A1 Product Improvement Program is for the procurement of modification kits/assemblies that have been tested, reviewed and approved by the responsible MCSC offices. These modifications provide significant improvements to vehicular reliability maintainability, battlefield survivability, combat capability and operational safety. This program will extend the combat utility/readiness of the AAV7A1 Family of Vehicles (FOV) until replaced by the successor vehicle (AAAV).

Modification	Installing Agent	Installation	End Item
IRAM	MCLB Albany	Begin: JUL 95 End: SEP 99	AAV7A1 FOV
AAV7Al Mod Kits	Various	Begin: Various End: Various	AAV7A1 FOV
SINCGARS Installation Kits	MCLB Albany UNICOR FMF	Begin: Jan 95 End: Sep 99	AAV7A1 FOV

BLI NR. 202100

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BUDGET ITEM JUSTIFICATION			DATE		
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOME				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 2		AAV7A1 PRODUCT	IMPROVEMENT PROGRAM		022421
MODELS OF SYSTEMS AFFECTED: AAV7A1 FAMILY OF VEHICLES					
MODIFICATION TITLE	FY1996	FY1997	FY1998	FY1999	
ITRANS/IRAM (ECP 5220) FACILITIZATION COST					
ECP 5220 KITS	5.696	6.550	6.697	6.902	
ECP 5220 INSTALLATION	2.485	2.879	2.943	3.033	
AAV MOD KITS		1.698	1.913	2.812	
SINCGARS INSTALLATION COST					
AAVP7A1 VARIANT KITS	0.628	0.641	0.492		
AAVP7A1 INSTALLATION	1.222	0.808	0.748	0.729	
AAVC7A1 VARIANT KITS	0.095	0.097	0.084		
AAVC7A1 INSTALLATION	0.109	0.106	0.120	0.082	
AAVR7A1 VARIANT KITS	0.020	0.020	0.014		
AAVR7A1 INSTALLATION	0.060	0.034	0.039	0.026	
FACTORY TRAINING	0.398	0.350	0.270	0.000	
ENGINEERING SUPPORT	0.820	0.797	0.200	0.200	
TOTAL	11.533	13.980	13.520	13.784	
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	BU	DGET ITEM JUST:	IFICATION SHEET			DATE		
APPROPRIATION/BUDG	ET ACTIVITY:	Reserves		P-1 ITEM NOME	INCLATURE:			
PROCUREMENT, MARIN	E CORPS/BUDGET	ACTIVITY	2		AAV7A1 PRODUC	CT IMPROVEMENT	PROGRAM	
							RCN:	22421
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 1.1	\$ 1.9	\$ 2.2 \$	2.0	\$ 0.5	\$ 0.2	\$ 0.2	\$ 0.3
The AAV7A1 Product	Improvement Pr	ogram is for th	ne procurement o	f modification	kits / assembl	lies that have :	been tested, re	viewed and

The AAV7A1 Product Improvement Program is for the procurement of modification kits / assemblies that have been tested, reviewed and approved by the responsible MARCORSYSCOM Offices. These modifications provide significant improvements to vehicular reliability, maintainability, battlefield survivability, combat capability and operational safety. This program will extend the combat utility / readiness of the AAV7A1 Family of Vehicles until replaced by the successor vehicle (AAAV) in the 2005 through 2013 period.

Modificatiions applicable to the Reserves are as follows: ITRANS / IRAM; AAV7A1 Mod Kits; and installation of Sincgars Radios for all vehicle variants (P Variant, C Variant, and R Variant).

BLI NR. 202100

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EXHIBIT P-40R

WEAPON SYSTEM COST		A. APPROPRIATION	N/BUDGET	B. WEAPON MO	DEL/SERIES/POR	PULAR NAME	C. MANUFACTU	RER NAME	D. DATE	
ANALYSIS EXHIBIT (P-5)		ACTIVITY TITLE/	NO:				PLANT CITY/S	STATE		
		PROCUREMENT, MAI	RINE CORPS	AAV7A1 PRODUC	CT IMPROVEMENT	PROGRAM	LOCATION			
		BUDGET ACTIVITY	2		RCN 022421					
	Г					1000	VARIOUS			
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY	
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	
ITRANS/IRAM (ECP 5220)										
		15000	320	10100	360	1000	360	10014	363	
A. ECP 5220 KITS		17800	5696	18192	6550	18603	6697	19014	6902	
ECP 5220 INSTALLATION			2485		2879		2943		3033	
SUBTOTAL ECP 5220			8181		9429		9640		9935	
B. AAV MOD KITS					1698		1913		2812	
C. SINCGARS										
			200		200		150			
AAVP7A1 KITS		3138	628	3207	641	3279	492			
AAVP7A1 INSTALLATION			1222		808		748		729	
			20		20		17			
AAVC7A1 KITS		4753	95	4857	97	4967	84			
AAVC7A1 K115  AAVC7A1 INSTALLATION		4755	109	1037	106	4507	120		82	
			10		10		7			
AAVR7A1 KITS		1963	20	2006	20	2051	14			
AAVR7A1 INSTALLATION			60		34		39		26	
SUBTOTAL SINCGARS			2134		1706		1497		837	
D GUDDODE GOGEG										
D. SUPPORT COSTS										
FACTORY TRAINING			398		350		270			
ENGINEERING SUPPORT			820		797		200		200	
			(165)				(184)		(105)	
SPARES			(167)					(195)		
TOTAL COST			11533		13980		13520	13784		
BLI NR.	202100		11000	P-1 SHOP	PING LIST			EXHIBIT P-5		
		-		TTEM NO	DAGE NO					

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	DATE:												
APPROPRIATION/BUDGET	ACTIVITY:			P-1 ITEM NOMENCLATURE:									
PROCUREMENT, MARINE CO	ORPS/BUDGET ACTIVI	TY	2		AAV7A1 PRODU	JCT IMPROVE	MENT PROGRAI	M					
				-				RCN:	022421				
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES			
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN			
FISCAL YEAR	LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL			
ITRANS/IRAM (ECP 5220	)												
FY 96	MCLB, ALBANY	ALLOTMENT	MCSC	JAN 96	JAN 96	320	17800	YES	NO	N/A			
FY 97	MCLB, ALBANY	ALLOTMENT	MCSC	OCT 96	OCT 96	360	18192	YES	NO	N/A			
FY 98	MCLB, ALBANY	ALLOTMENT	MCSC	OCT 97	OCT 97	360	18603	YES	NO	N/A			
FY 99	MCLB, ALBANY	ALLOTMENT	MCSC	OCT 98	OCT 98	363	19014	YES	NO	N/A			
AAV7A1 MOD KITS													
FY 96	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS		VARIOUS	YES	NO	N/A			
FY 97	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS		VARIOUS	II	NO	N/A			
FY 98	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS		VARIOUS		NO	N/A			
FY 99	VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS		VARIOUS		NO	N/A			
SINCGARS KITS													
AAVP7A1													
FY 96	UNICOR	MIPR	MCSC	MAR 96	DEC 96	200	3138	YES	NO	N/A			
FY 97	UNICOR	MIPR	MCSC	NOV 96	AUG 97	200	3207	II	NO	N/A			
FY 98	UNICOR	MIPR		NOV 97	AUG 98	150	3279	YES	NO	N/A			
AAVC7A1													
FY 96	UNICOR	MIPR	MCSC	MAR 96	DEC 96	20	4753	YES	NO	N/A			
FY 97	UNICOR	MIPR	MCSC	NOV 96	AUG 97	20	4857	YES	NO	N/A			
FY 98	UNICOR	MIPR	MCSC	NOV 97	AUG 98	17	4967	YES	NO	N/A			
AAVR7A1													
FY 96	UNICOR	MIPR	MCSC	MAR 96	DEC 96	10	1963	YES	NO	N/A			
FY 97	UNICOR	MIPR		NOV 96	AUG 97	10	2006	II	NO	N/A			
FY 98	UNICOR	MIPR	MCSC	NOV 97	AUG 98	7	2051	II	NO	N/A			
REMARKS:													

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EXHIBIT P-5A

BLI NR. 202100

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

ITRANS/IRAM

MODELS OF SYSTEMS AFFECTED:

AAV7A1 FAMILY OF VEHICLES

DESCRIPTION/JUSTIFICATION: The AAV7A1 ITRANS/IRAM PIP combines both ECP 2178-R2 (Built-Up Transmission) and ECP 5220 (Improved Reliable and Maintainable Transmission) to provide durability and maintainability while extending the service life of the transmission. The ITRANS improvements will concentrate on eliminating debris and improving the filtration of oil. Major reliability improvements consist of improved filter system, improved clutch plate, new input spur gear and improved hydraulic lines. The maintenance improvements include improved oil sampling valves and brake modifications. The IRAM will concentrate on 100 percent replacement of external nuts, bolts, washers, bearings, gaskets, and seals. Other associated parts that may hinder the serviceability of the AAV7A1 vehicle will be inspected during the conversion.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES:

Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY	1999	FY :	2000	FY	2001	FY	2002	TO	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	320		360		360		363										1403	
Installation Kits																		0.000
Install. Kits Nonrecurring		5.696		6.550		6.697		6.902										25.845
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															1-6			

		FY 1	996	FY 1997		FY 1998		FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP		TOTAL
		QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE																		0	0.000
(FY 1996) Eqpt	(320 Kits)	320	2.485															320	2.485
(FY 1997) Eqpt	(360 Kits)	320	2.405	360	2.879													360	2.483
(FY 1998) Eqpt	(360 Kits)			300	2.075	360	2.943											360	2.943
(FY 1999) Eqpt	(363 Kits)					300	2.943	363	3.033									363	3.033
(FY 2000) Eqpt	( Kits)							303	3.033									0	0.000
(FY 2001) Eqpt	( Kits)																	0	0.000
(FY 2002) Eqpt	( Kits)																	0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
(10 0011 / 1420	( 11100)																	Ü	0.000
TOTAL INSTALLATION COST		320	2.485	360	2.879	360	2.943	363	3.033	0	0.000	0	0.000	0	0.000	0	0.000	1403	11.340
TOTAL PROCUREMENT COST			8.181		9.429		9.640		9.935		0.000		0.000		0.000		0.000		37.185
METHOD OF IMPLEMENTATION:		DEPOT			-	AD	MIN LEAD	-TIME:	0	MONTHS			I	PRODUCT	ION LEAI	O-TIME:_	0	MONTHS	
CONTRACT DATES:	FY 1996	JAN 96			FY 1997	OCT 9	16		FY 1998	OCT	97	-	FY 1999	OCT	98	_			
DELIVERY DATES:	FY 1996	JAN 96			FY 1997	OCT	96	:	FY 1998	OCT	97	-	FY 1999	OCT	98	_			
	FY 1996		FY 199	7	FY 1998	3		FY	1999		FY 2	000		FY	2001	FY	2002		TOTAL
INSTALLING SCHEDULE:	1 2 3 4	1	2 3 4	<u>-</u>	1 2 3 4	2		1 2			1 2 3			1 2		1 2 3		1 2 3	
INSTRECTION SCHEDULE	<u> </u>				<del>1 2 3 1</del>				<u> </u>	2					<u> </u>			<u> </u>	<u>*</u>
INPUT	107 107 1	.06 90	90 90 90		90 90 90 90			90 90	90 93									1403	
OUTPUT	107 107 1	.06 90	90 90 90		90 90 90 90			90 90	90 93									1403	
																1-7			
																	177	ת שדתדווע	2.3 TAIDTIITTIIAT

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AAV7A1 MODIFICATION KITS AND SECONDARY REPAIRABLES

MODELS OF SYSTEMS AFFECTED: AAV7A1 FAMILY OF VEHICLES

DESCRIPTION/JUSTIFICATION: The AAV7Al Modification Kits Program is for the procurement of modification kits/assemblies that have been tested, reviewed and approved by the responsible MCSC offices. These modifications provide significant improvements to vehicular reliability, maintainability, and operations safety. These modifications are also a method by

which FMF Quality Deficiency Reports and Beneficial Suggestions are implemented.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	5 FY 1997		FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP		TOTAL
	QTY	<u>\$</u>	QTY	<u>\$</u>	<u>QTY</u>	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity																	0	
Installation Kits																		0.000
Install. Kits Nonrecurring				1.698		1.913		2.812		2.357		2.460		2.678				13.918
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															1-8			

		FY 3	1996	FY 1997		FY 1998		FY 1999	9	FY 2000	0	FY 200	<u>1</u>	FY	2002	TO	COMP	<u>T</u>	OTAL
		QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$
																		0	0.000
INSTALLATION OF HARDWARE	!.																	0	0.000
(FY 1996) Eqpt	( Kits)																	0	0.000
(FY 1997) Eqpt	( Kits)																	0	0.000
(FY 1998) Eqpt	( Kits)																	0	0.000
(FY 1999) Eqpt	( Kits)																	0	0.000
(FY 2000) Eqpt	( Kits)																	0	0.000
(FY 2001) Eqpt	( Kits)																	0	0.000
(FY 2002) Eqpt	( Kits)																	0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
TOTAL INSTALLATION COST		0	0.000	0	0.000		0.000	0	0.000		0.000		0.000	0		0	0.000	0	0.000
TOTAL PROCUREMENT COST			0.000		1.698		1.913		2.812		2.357		2.460		2.678		0.000		13.918
METHOD OF IMPLEMENTATION:	Field					ADI	MIN LEA	D-TIME:_	Var.	MONTHS			I	PRODUCT	ION LEAI	O-TIME:_	Var.	MONTHS	
CONTRACT DATES:	FY 1996	Various		_ FY	1997	Vario	us	_ 1	FY 1998	Vario	ous	_	FY 1999	Vario	ıs	-			
DELIVERY DATES:	FY 1996	Various		FY	1997	Vario	us	_ 1	FY 1998	Vario	ous	_	FY 1999	Variou	ıs	-			
INSTALLING SCHEDULE:	FY 1996 1 2 3 4		1997 2 3 4		1998 2 3 4		Y 1999 2 3	<u>4</u> :	<u>FY 2</u> 1 2 3		FY 2001 1 2 3		FY 2002 1 2 3		<u>TOT</u> 1 2 3				

OUTPUT

1-9

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AAVP7A1 SINCGARS KITS AND INSTALLATION

MODELS OF SYSTEMS AFFECTED: AAVP7A1

DESCRIPTION/JUSTIFICATION: The new Single Channel Ground and Air Radio System (SINCGARS) VHF combat net radio system replaces the older AN/VRC-12 Family of radios. SINCGARS provides communications in a high jam environment.

Installation of SINCGARS in the AAV7A1's will allow embarked command staff, ebbarked troop commanders, and vehicle crews to

maintain communications within the chain of command.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY 2	2002	<u>T0</u>	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	200		200		150												550	
Installation Kits																		0.000
Install. Kits Nonrecurring		0.628	3	0.641		0.492												1.761
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															1-10			

		FY 1	996	FY 1	.997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	<u>-</u>	<u> TOTAL</u>
		QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	YTQ	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																		0	0.000
(FY 1994) Eqpt	(502 Kits)	212	0.830															212	0.830
(FY 1995) Eqpt	(100 Kits)	100	0.392															100	0.392
(FY 1996) Eqpt	(200 Kits)			200	0.808													200	0.808
(FY 1997) Eqpt	(200 Kits)					180	0.748	20	0.085									200	0.833
(FY 1998) Eqpt	(150 Kits)							150	0.644									150	0.644
(FY 1999) Eqpt	( Kits)																	0	0.000
(FY 2000) Eqpt	( Kits)																	0	0.000
(FY 2001) Eqpt	( Kits)																	0	0.000
(FY 2002) Eqpt	( Kits)																	0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
TOTAL INSTALLATION COST		312	1.222	200	0.808	180	0.748	170	0.729	0	0.000	0	0.000	0	0.000	0	0.000	862	3.507
TOTAL PROCUREMENT COST			1.850		1.449		1.240		0.729		0.000		0.000		0.000		0.000	862	5.268
METHOD OF IMPLEMENTATION:	DEPOT/CON	TRACTOR				_	AD	MIN LE	AD-TIME:	5	MONTHS		I	PRODUCT	ION LEAD	-TIME:_	9_	MONTHS	
CONTRACT DATES:	FY 1996	MAR 96		FY	1997	NOV 9	96		FY 1998	NOV	97		FY 1999	N / A					
0011212102 211220	11 100								11 100			_				-			
DELIVERY DATES:	FY 1996	DEC 96		FY	1997	AUG 9	97		FY 1998	AUG	98	_	FY 1999	N / A		-			
	TV 1006		Tr. 100	7	TV 100	0	TV 10	0.0		0.00		001		0.00	<b></b>				
TNOWN I INC. COURDING .	FY 1996	1	FY 199'		FY 199		FY 19		FY 20		FY 2		FY 2		TOT				
INSTALLING SCHEDULE:	1 2 3 4	1	2 3 4	1	2 3 4	١	L 2 3	<u>4</u>	1 2 3	<u>4</u>	1 2 3	<u>4</u>	1 2 3	<u>4</u>	1 2 3	<u>4</u>			
INPUT	78 78 78 7	8 50	50 50 50	45	45 45 45	5 4	13 43 42	42							862				
OUTPUT	78 78 78 7	8 50	50 50 50	45	45 45 45	, 4	13 43 42	42							862				
													1-11						

EXHIBIT P-3A INDIVIDUAL MODIFICATION

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AAVC7A1 SINCGARS KITS AND INSTALLATION

MODELS OF SYSTEMS AFFECTED: AAVC7A1

DESCRIPTION/JUSTIFICATION: The new Single Channel Ground and Air Radio System (SINCGARS) VHF combat net radio system replaces the older AN/VRC-12 Family of radios. SINCGARS provides communications in a high jam environment.

Installation of SINCGARS in the AAV7A1's will allow embarked command staff, embarked troop commanders, and vehicle crews to maintain communications within the chain of command.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	20		20		17												57	
Installation Kits																		0.000
Install. Kits Nonrecurring		0.095		0.097		0.084												0.276
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															1-12			

		<u>FY 1</u>	996	FY 1	997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	I	'OTAL
		QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																			
(FY 1994) Eqpt	(39 Kits)	18	0.085															18	0.085
(FY 1995) Eqpt	(10 Kits)	5	0.024	5	0.024													10	0.048
(FY 1996) Eqpt	(20 Kits)			17	0.082	3	0.015											20	0.097
(FY 1997) Eqpt	(20 Kits)					20	0.100											20	0.100
(FY 1998) Eqpt	(17 Kits)					1	0.005	16	0.082									17	0.087
(FY 1999) Eqpt	( Kits)																	0	0.000
(FY 2000) Eqpt	( Kits)																	0	0.000
(FY 2001) Eqpt	( Kits)																	0	0.000
(FY 2002) Eqpt	( Kits)																	0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
TOTAL INSTALLATION COST		23	0.109	22	0.106	24	0.120	16	0.082	0	0.000	0	0.000	0	0.000	0	0.000	85	0.417
TOTAL INSTALLATION COST		23	0.109	22	0.100	24	0.120	10	0.002	0	0.000	U	0.000	U	0.000	O	0.000	0.5	0.417
TOTAL PROCUREMENT COST			0.204		0.203		0.204		0.082		0.000		0.000		0.000		0.000	85	0.693
METHOD OF IMPLEMENTATION:	DEPOT/CO	ONTRACTOR					ADI	MIN LE	AD-TIME:	: 5	MONTHS		]	PRODUCT	ION LEAI	O-TIME:	9	MONTHS	
						-										_			
CONTRACT DATES:	FY 1996	MAR 96		FY	1997	NOV 9	96		FY 1998	NOV	97	_	FY 1999	N / A		_			
DELIVERY DATES:	FY 1996	DEC 96		FY	1997	AUG 9	97		FY 1998	AUG	98	_	FY 1999	_ N / A		_			
	TV 100	0.6	DV 100	7	TX 100	10	TX 100	2.0	DV 0	000	D77 0	0001	T37 0	000	mom	2.7			
INSTALLING SCHEDULE:	FY 199 1 2 3 4		FY 199		FY 199 2 3 4		FY 199		<u>FY 2</u> 1 2 3		FY 2 1 2 3		<u>FY 2</u> 1 2 3		TOT 1 2 3				
INPUT	6 6 6 5	6	6 <b>3</b> 5	6	6 6 6	Ę	5 5 6								85				
OUTPUT	6 6 6 5	6	6 5 5	6	6 6 6	Ē	5 5 6								85				
																1-13			

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AAVR7A1 SINCGARS KITS AND INSTALLATION

MODELS OF SYSTEMS AFFECTED: AAVR7A1

DESCRIPTION/JUSTIFICATION: The new Single Channel Ground and Air Radio System (SINCGARS) VHF combat net radio system replaces the older AN/VRC-12 Family of radios. SINCGARS provides communications in a high jam environment.

Installation of SINCGARS in the AAV7A1's will allow embarked command staff, embarked troop commanders, and vehicle crews to maintain communications within the chain of command.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY 2	2002	TO	COMP		TOTAL
	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	10		10		7												27	
Installation Kits																		0.000
Install. Kits Nonrecurring		0.020		0.020		0.014												0.054
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															1-14			

		FY 1	996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	<u>-</u>	<u> </u>
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																			
(FY 1994) Eqpt	(27 Kits)	14	0.042															14	0.042
(FY 1995) Eqpt	(10 Kits)	6	0.018	4	0.012													10	0.030
(FY 1996) Eqpt	(10 Kits)			7	0.022	3	0.010											10	0.032
(FY 1997) Eqpt	(10 Kits)					9	0.029	1	0.003									10	0.032
(FY 1998) Eqpt	( 7 Kits)							7	0.023									7	0.023
(FY 1999) Eqpt	( Kits)																	0	0.000
(FY 2000) Eqpt	( Kits)																	0	0.000
(FY 2001) Eqpt	( Kits)																	0	0.000
(FY 2002) Eqpt	( Kits)																	0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
TOTAL INSTALLATION COST		20	0.060	11	0.034	12	0.039	8	0.026	0	0.000	0	0.000	0	0.000	0	0.000	51	0.159
TOTAL PROCUREMENT COST			0.080		0.054		0.053		0.026		0.000		0.000		0.000		0.000	51	0.213
METHOD OF IMPLEMENTATION:	DEPOT/CO	ONTRACTOR				-	AD	MIN LE	AD-TIME:	5	MONTHS		1	PRODUCT	ION LEAD	O-TIME:_	9	MONTHS	
CONTRACT DATES:	FY 1996	MAR 96		FY	1997	NOV 9	96		FY 1998	NOV	97	_	FY 1999	_ N / A		-			
DELIVERY DATES:	FY 1996	DEC 96		FY	1997	AUG 97	7		FY 1998	AUG	98	_	FY 1999	_ N / A		-			
	TV 100		DV 100	7	TT 100	0	TV 10	0.0	F17. 04	0.00		<del></del>	1		TV 0	0.00		_	noma r
INSTALLING SCHEDULE:	<u>FY 199</u> 1 2 3 4		FY 199 <sup>2</sup> 2 3 4		FY 199 2 3 4		<u>FY 19</u> L 2 3		FY 20 1 2 3			FY 200 1 2			FY 20 1 2 3		, -	1 2 3 4	<u>rotal</u>
INPUT	5 5 5 5	3	3 3 2	3	3 3 3	3	3 3 2											51	
OUTPUT	5 5 5 5	3	3 3 2	3	3 3 3	3	3 3 2										1-15	51	

	BI	JDGET ITEM JUST	IFICATION SHEET			DATE		
APPROPRIATION/BUDG	ET ACTIVITY:			P-1 ITEM NOME	INCLATURE:			
PROCUREMENT, MARIN	E CORPS/BUDGET	ACTIVITY	2		LAV PRODUCT I	MPROVEMENT PRO	GRAM (LAV-PIP)	
							RCN:	23781
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	\$ 22.4	\$ 7.7	\$ 0.6	\$ 1.4	\$ 1.7	\$ 1.3	\$ 1.7	\$ 2.0

#### FY 1994-1997 LAV-25 THERMAL SIGHT:

The LAV-25 Thermal Sight will significantly enhance effectiveness of reconnaisance and accuracy by providing the LAV gunner a state-of-the-art thermal imaging capability. Night fighting will be greatly enhanced. A greater range and sharper image through battlefield obscurants will also be obtained. This PIP replaces the gunner's M36 Fire Control Periscope. This buy will provide thermal sights to each LAV-25 including operator and maintenance training at formal schools.

The LAV-25 Thermal Sight is Code A.

MODIFICATION INSTALLING AGENT INSTALLATION END ITEM

Thermal Sight TACOM, Warren, Michigan BEGIN: Jul 96 Lav-25

END: Sep 97

#### FY 1996-1997 LAV MOBILITY BLOCK IMPROVEMENT PROGRAM

Funding for the Mobility Block Improvement Program will provide the following ugrades to the Family of LAVs:

Silver Series Engine - This modification provides for the remanufacture of the diesel engines which have been operating in the Marine Corps existing fleet since the 1980's. These old engines, commonly referred to as the "Green" engine, are no longer in production. However, they will be upgraded to the newer "Silver" Series configuration which will provide improved economy, quieter operation, and overall reduced future operations and maintenance costs.

Brake System Improvements - The new brake system will replace the current pressure-protection valve system and will provide a sure means of stopping the vehicles.

Engine Grill Cover - The new engine grill cover will provide a more durable means of protecting the engine and radiator during fording and swimming operations.

M17 Laser Shielded Periscopes - These will provide safe vision protection for the LAV crew.

Steering Roller Bearing - The Steering Roller Bearing will have a more effective seal, adding service life to that component and resulting in less vehicle down-time.

Wheel Alignment Equipment - Wheel Alignment Equipment will provide a means to accurately align the LAV steering system.

BLI NR. 203800 P-1 SHOPPING LIST ITEM NO. PAGE NO. 2 - 1

B	SUDGET ITEM JUSTIFICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET	ACTIVITY2	P-1 ITEM	NOMENCLATURE: LAV PRODUCT	IMPROVEMENT PROGRAM	(LAV-PIP) RCN:	23781
MODIFICATION	INSTALLING AGENT	INSTALLAT	'ION	END	ITEM	
Mobility Enhancement	Various		Various Various	LAV	Family of V	ehicles
The Mobility Block is Code A.						
FY 1996 - FY 2003 LAV RAM IMPROV	EMENTS					
Funding for the LAV RAM Improvement	ents include:					
Gun Barrel Bore Gauge - This dev	ice allows the LAV crew to more	e accurately	y assess the condit	ion of the 25mm gun	bore.	
Sub Caliber Device - This RAM imp					instead of	
Long-Stroke Recoil - This improve gun's service life.	ement will greatly increase the	e accuracy o	of the LAV 25mm Cha	aingun as well as in	crease the	
MODIFICATION	INSTALLING AGENT	INSTALLAT	'ION	END	ITEM	
Various	Various	BEGIN: END:	Various Various	LAV	Family of V	ehicles
The RAM is Code A.						
BLI NR. 203800		P-1	SHOPPING LIST			EXHIBIT P-40

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
2 - 2

	BUDGET ITEM JUSTIF	ICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY	:		P-1 ITEM NOMEN	CLATURE:			
PROCUREMENT, MARINE CORPS/BUD	GET ACTIVITY	2		LAV PRODUCT IM	PROVEMENT I	PROGRAM	23781
MODELS OF SYSTEMS AFFECTED:	LAV-25, LAV-AT, LAV-H	R, LAV-C2, LAV-I					
		( \$ IN MILLIONS	)				
	FY 1996	FY 1997	FY 1998	FY 1999			
MODIFICATION TITLE							
LAV-25 Thermal Sight (LAV-25 only)	10.884	0.432	0.000	0.000			
LAV Mobility Improvements (All LAVs)	10.812	6.610	0.000	0.000			
LAV RAM Improvements (All LAVs)	0.668	0.612	0.600	1.410			
TOTAL	22.364	7.654	0.600	1.410			

BLI NR. 203800

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
2 - 3

	Bī	JDGET ITEM JUST	IFICATION SHEET			DATE		
APPROPRIATION/BUDGE	ET ACTIVITY:	Reserves		P-1 ITEM NOME	ENCLATURE:			
PROCUREMENT, MARINI	E CORPS/BUDGET	ACTIVITY	2		LAV PRODUCT I	MPROVEMENT PROC	GRAM (LAV-PIP)	
							RCN:	23781
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 6.6	\$ 2.6	\$ 0.0	\$ 0.2	\$ 0.2	\$ 0.2	\$ 0.2	\$ 0.2

#### FY 1994-1997 LAV-25 THERMAL SIGHT:

The LAV-25 Thermal Sight will significantly enhance effectiveness of reconnaisance and accuracy by providing the LAV gunner a state-of-the-art thermal imaging capability. Night fighting will be greatly enhanced. A greater range and sharper image through battlefield obscurants will also be obtained. This PIP replaces the gunner's M36 Fire Control Periscope. This buy will provide thermal sights to each LAV-25 including operator and maintenance training at formal schools.

#### FY 1996-1997 LAV MOBILITY BLOCK IMPROVEMENT PROGRAM

Funding for the Mobility Block Improvement Program will provide the following ugrades to the Family of LAVs:

Silver Series Engine - This modification provides for the remanufacture of the diesel engines which have been operating in the Marine Corps existing fleet since the 1980's. These old engines, commonly referred to as the "Green" engine, are no longer in production. However, they will be upgraded to the newer "Silver" Series configuration which will provide improved economy, quieter operation, and overall reduced future operations and maintenance costs.

Brake System Improvements - The new brake system will replace the current pressure-protection valve system and will provide a sure means of stopping the vehicles.

Engine Grill Cover - The new engine grill cover will provide a more durable means of wrapping the engine and radiator during fording and swimming operations.

M17 Laser Shielded Periscopes - These will provide safe vision protection for the LAV crew.

Steering Roller Bearing - The Steering Roller Bearing will have a more effective seal, adding service life to that component and resulting in less vehicle down-time.

Wheel Alignment Equipment - Wheel Alignment Equipment will provide a means to accurately align the LAV steering system.

Funding for the LAV RAM Improvements include:

Gun Barrel Bore Gauge - This device allows the LAV crew to more accurately assess the condition of the 25mm gun bore.

Sub Caliber Device - This RAM improvement allows LAV crews to live-fire train with less expensive 7.62mm rounds instead of the more expensive 25mm ammunition. This purchase will generate huge savings in ammunition costs.

BLI NR.	203800		P-1	SHOPPING	LIST	
			ITEM NO		PAGE 1	10.
		•	2	_	4	

EXHIBIT P-40R

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION ACTIVITY TITLE/N PROCUREMENT, MAN BUDGET ACTIVITY	NO: RINE CORPS	B. WEAPON MC	DDEL/SERIES/PO	PULAR NAME	C. MANUFACTU PLANT CITY/S LOCATION		D. DATE
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
COSI ELEMENIS	CODE	UNII COSI		UNII COSI	TOTAL COST	UNII COSI	TOTAL COST	UNII COSI	TOTAL COST
LAV-25 THERMAL SIGHT		75463	117 8829						
Government Engineering			350						
Training/Training Mat'ls			249						
IPT			210						
Installation			548		432				
ILS			99						
Engineering Change Orders	5		599						
LAV MOBILITY BLOCK IMPROVEMENT PROGRAM			1 BLOCK		1 BLOCK				
Hardware			9927		6275				
Government Engineering			334		335				
IPT			359						
Support Equipment			192						
LAV RAM			1 BLOCK		1 BLOCK				1 BLOCK
Hardware			554		409		401		937
Government Engineering			83		172		169		401
IPT			31		31		30		72
SPARES			(682)		(1522)		(581)		(544)
TOTAL COST			22364		7654		600		1410
BLI NR.	203800		22301	P-1 SHOP	PING LIST			L	EXHIBIT P-5

ITEM NO. PAGE NO. 2 5

CTIVITY: RPS/BUDGET ACTIVITY				_					
RPS/BUDGET ACTIVITY				P-1 ITEM NO	MENCLATURE:				
		2		LAV PRODUCT	IMPROVEMENT	PROGRAM (L	AV-PIP)		
							RCN:		
CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL
SANTA BARBARA, CA									
	C/FFP	TACOM	DEC 95	JUL 96	117	75463	YES	NO	N/A
VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS	1 BLOCK	VARIOUS	NO	NO	N/A
VARIOUS	VARIOUS	VARIOUS	VARIOUS	VARIOUS	1 BLOCK	VARIOUS	NO	NO	N/A
VARIOUS	VARIOUS	TACOM	VARIOUS	VARIOUS	I BLOCK	VARIOUS	NO	N/A	N/A
MARTOIIC	177 D T O I I C	TACOM	177 D T OTTO	WARTOIIC	1 פו ממע	MADIONG	NO.	NT / 7\	N/A
VARIOUS	VARIOUS	TACOM	VARIOUS	VARIOUS	I BLOCK	VARIOUS	INO	N/A	IN/A
VARIOUS	VARIOUS	TACOM	VARIOUS	VARIOUS	1 BLOCK	VARIOUS	NO	N/A	N/A
VIII. 2002	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		VIII. 2002	VIII.2002	2 220011	VIII. 2005	1.0	21,722	21,722
	AND LOCATION  DELCO SANTA BARBARA, CA  VARIOUS	AND METHOD AND TYPE  DELCO SANTA BARBARA, CA  VARIOUS  VARIOUS	AND METHOD CONTRACTED BY  DELCO SANTA BARBARA, CA  VARIOUS  TACOM  VARIOUS  VARIOUS  TACOM	AND METHOD CONTRACTED AWARD DATE  DELCO SANTA BARBARA, CA  VARIOUS  VARIOUS	AND METHOD CONTRACTED AWARD FIRST DELCO SANTA BARBARA, CA  C/FFP TACOM  DEC 95  JUL 96  VARIOUS  VARIOUS	AND METHOD CONTRACTED AWARD FIRST DELIVERY QTY  DELCO SANTA BARBARA, CA  C/FFP TACOM DEC 95 JUL 96 117  VARIOUS VARIOUS VARIOUS VARIOUS VARIOUS 1 BLOCK VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK	AND METHOD CONTRACTED AWARD FIRST QTY COST  DELCO SANTA BARBARA, CA  C/FFP TACOM DEC 95 JUL 96 117 75463  VARIOUS VARIOUS VARIOUS VARIOUS VARIOUS 1 BLOCK VARIOUS  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS	AND METHOD CONTRACTED AWARD FIRST QTY COST NOW  DELCO SANTA BARBARA, CA  C/FFP TACOM DEC 95 JUL 96 117 75463 YES  VARIOUS VARIOUS VARIOUS VARIOUS VARIOUS 1 BLOCK VARIOUS NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO	AND METHOD AND TYPE BY DATE DELIVERY QTY COST NOW RQRD  DELCO SANTA BARBARA, CA  C/FFP TACOM DEC 95 JUL 96 117 75463 YES NO  VARIOUS VARIOUS VARIOUS VARIOUS VARIOUS VARIOUS 1 BLOCK VARIOUS NO NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO NO  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO N/A  VARIOUS VARIOUS TACOM VARIOUS VARIOUS 1 BLOCK VARIOUS NO N/A

BLI NR. \_\_\_\_\_203800

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
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#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LAV-25 THERMAL SIGHT

MODELS OF SYSTEMS AFFECTED: LAV-25

DESCRIPTION/JUSTIFICATION: LAV-25 Thermal Sights will significantly enhance effectiveness of reconnaissance and weapons employment accuracy by providing the LAV-25 gunner a state-of-the-art thermal imaging capability. Night fighting capability will be greatly enhanced. A greater range and sharper image through smoke obscurance will also be obtained.

DEVELOPMENTAL STATUS/ N/A

MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY :	1999	FY 2	2000	FY 2	2001	FY 2	2002	TO	COMP	F -	<u> </u>
	QTY	\$	<u>QTY</u>	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	117																117	
Installation Kits																		0.000
Install. Kits Nonrecurring		8.829																8.829
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders		0.599																0.599
Data																		0.000
Training Support		0.249																0.249
Support Equipment																		0.000
Other		0.659																0.659
Interim Contractor Support																		0.000
															2-7			

	FY	1996	FY	1997	FY	1998	FY	1999		2000		2001		2002	TO	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE																	0	0.000
(FY 1994) Eqpt (80 Kits)	80	0.179															80	0.179
(FY 1995) Eqpt (225 Kits	3) 160	0.369	65	0.156													225	0.525
(FY 1996) Eqpt (117Kits)			117	0.276													117	0.276
(FY 1997) Eqpt ( Kits)																	0	0.000
(FY 1998) Eqpt ( Kits)																	0	0.000
(FY 1999) Eqpt ( Kits)																	0	0.000
(FY 2000) Eqpt ( Kits)																	0	0.000
(TO COMP) Eqpt ( Kits)																	0	0.000
TOTAL INSTALLATION COST	240	0.548	182	0.432	0	0	0	0	0	0	0	0	0	0	0	0	422	0.98
TOTAL PROCUREMENT COST		10.884		0.432		0.000		0.000		0.000		0.000		0.000		0.000		11.316
METHOD OF IMPLEMENTATION:	PM-LAV	INST. T	EAM		ADM1	IN LEAD-	-TIME:_	2	MONTHS	3		PRO	DUCTIO	N LEAD	-TIME:	7_	MONTHS	
CONTRACT DATES: FY 1996	DEC 19	95	_ F	Y 1997			_ 1	FY 1998	3		-							
DELIVERY DATES: FY 1996	JULY 1	996	_ F	Y 1997			_ 1	FY 1998	3		-							
<u>FY 1996</u>		<u>FY 19</u>		FY 199	98		FY	<u> 1999</u>		<u>FY 2</u>	000		FY	2001	<u>FY</u>	2002		<u> </u>
INSTALLING SCHEDULE: 1 2 3	<u>4</u> <u>1</u>	2 3	<u>4</u> <u>1</u>	2 3	<u>4</u>		1 2	3 4	-	1 2 3	3 4		1 2	3 4	1 2	3 4 1	2 3	4
INPUT 24	.0	182																
OUTPUT 24	0	182													2-8			

2-8

MODIFICATION TITLE: LIGHT ARMORED VEHICLE MOBILITY BLOCK IMPROVEMENT PROGRAM, (LAV-MBIP)

MODELS OF SYSTEMS AFFECTED: ALL LAVS

DESCRIPTION/JUSTIFICATION: The cornerstone of the LAV Mobility Block Improvement Program is the remanufacture of the diesel engines which have been operating in the Marine Corps existing LAV Fleet since the early 1980's. These old engines, commonly referred to as the "Green" engine, are no longer in production. However, they will be upgraded to the current Silver Series configuration which will provide improved fuel economy, quieter operation, and overall reduced operations and maintenance costs.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY	<u> 1996</u>	FY	1997	FY	1998	FY	1999	FY 2	000	FY 2	2001	FY	2002	<u>TO (</u>	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	1 Blk		1 Blk														0	
Installation Kits																		0.000
Install. Kits Nonrecurring		9.927	7	6.275														16.202
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment		0.192	2															0.192
Other		0.693	3	0.335														1.028
Interim Contractor Support															2-9			0.000
																ΕZ	KHIBIT P-3.	A INDIVIDUAL MC

		FY	1996	FY 1997		FY 199	98	FY 19	99	FY 20	000	FY 20	01	FY	2002	TO	COMP	Ī	COTAL
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																		0	0.000
(FY 1996) Eqpt (	Kits)																	0	0.000
(FY 1997) Eqpt (	Kits)																	0	0.000
(FY 1998) Eqpt (	Kits)																	0	0.000
(FY 1999) Eqpt (	Kits)																	0	0.000
(FY 2000) Eqpt (	Kits)																	0	0.000
(FY 2001) Eqpt (	Kits)																	0	0.000
(FY 2002) Eqpt (	Kits)																	0	0.000
(TO COMP) Eqpt(	Kits)																	0	0.000
TOTAL INSTALLATION COST		0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST			10.812		6.610		0.000		0.000		0.000		0.000		0.000		0.000		17.422
METHOD OF IMPLEMENTATION:		FIELD				ADM:	IN LEAD	-TIME:	VAR	_MONTH	IS		PRO:	DUCTIO	ON LEAD-	-TIME:	VAR	MONTHS	
CONTRACT DATES: FY	1996	VARIO	US	FY	1997		VARIOU	IS.	FY 199	8		_							
DELIVERY DATES: FY	1996	VARIO	US	_ FY	1997		VARIOU	<u>IS</u>	FY 199	8		_							
INSTALLING SCHEDULE: FY	1996	F	Y 1997	FY	1998	j	FY 1999	<u>)</u>	FY 2	000	FY 200	1	FY 2002	2	TOT	AL			
	2 3 4		2 3		2 3		1 2 3		1 2	3 4		3 4		3 4	1 2 3				
INPUT																			

OUTPUT

2-10

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LAV RAM IMPROVEMENTS

MODELS OF SYSTEMS AFFECTED: ALL LAVS

DESCRIPTION/JUSTIFICATION: The LAV RAM Improvement Program consists of a 25mm Gun Barrel Bore Gauge, a Sub-Caliber Training Device, a Long Stroke Recoil Mechanism, a Drivers' Instrument Annunciator Panel, and other various LAV Upgrades.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Approved for Service Use

FINANCIAL PLAN: (\$ in Millions)

	FY 2	1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP		TOTAL
	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	<u>QTY</u>	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity Installation Kits Install. Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Support Support Equipment	1 Blk	0.554	1 Blk	0.409	1Blk	0.401	1Blk	0.937	1 Blk	1.409	1 Blk	1.088	1 Blk	1.376	1 Blk	1.628	0	0.000 0.000 0.000 7.802 0.000 0.000 0.000
Other Interim Contractor Support		0.114		0.203		0.199		0.473		0.295		0.233		0.286	2-11	0.338		2.141

	FY	1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	<u>T</u>	<u>OTAL</u>
	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	<u>QTY</u>	<u>\$</u>
INSTALLATION OF HARDWARE																	0	0.000
																	0	0.000
(FY 1996) Eqpt ( Kits	-																0	
(FY 1997) Eqpt ( Kits	-																0	0.000
(FY 1998) Eqpt ( Kits	-																0	0.000
(FY 1999) Eqpt ( Kits	-																0	0.000
(FY 2000) Eqpt ( Kits	-																0	0.000
(FY 2001) Eqpt ( Kits	-																0	0.000
(FY 2002) Eqpt ( Kits	)																0	0.000
(TO COMP) Eqpt ( Kits	)																0	0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST		0.668		0.612		0.600		1.410		1.704		1.321		1.662		1.966	0	9.943
METHOD OF IMPLEMENTATION:	FIELD				-	ADMI	N LEA	D-TIME:	VAR	MONTHS		PRO	DUCTIO	ON LEAD	-TIME:	VAR	MONTHS	
CONTRACT DATES: FY 1996	VARIOUS	}	_ F	Y 1997		VARIOUS		FY 1998	3		-							
DELIVERY DATES: FY 1996	VARIOUS	;	F?	Y 1997	,	VARIOUS		FY 1998	3		-							
FY 1996 INSTALLING SCHEDULE: 1 2 3		<u>FY 199</u> 2 3		FY 199		<u>FY 19</u> 1 2 3		<u>FY 20</u>		FY 2 1 2 3		<u>FY 2</u> 1 2 :		TOT 1 2	<u>'AL</u> 3 4			

INPUT

OUTPUT

2-12

	Dī	IDCET TTEM THOT	IFICATION SHEET			DATE		
	ь	DUGET TIEM UUSI	IFICATION SHEET			DAIE		
APPROPRIATION/BUDG	ET ACTIVITY:			P-1 ITEM NOME	ENCLATURE:			
PROCUREMENT, MARIN	IE CORPS/BUDGET	ACTIVITY	2		LIGHT ARMOREI	VEHICLE AIR	DEFENSE (LAV-AD)	
							RCN:	023681
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 6.7	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

The LAV-AD will provide a highly mobile air defense capability for LAV equipped forces and other rapid maneuver elements of the MAGTF. The LAV-AD will incorporate within the MAGTF and integrated ground bases a mobile air defense system capable of countering enemy air-to-surface threat systems, both rotary and fixed wing. The LAV-AD will include an air defense turret installed on the standard LAV chassis. FY 98 funds will provide for comprehensive, post- acceptance production testing.

Acquisition Objective:

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BLI NR. \_\_\_\_203900

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATIO ACTIVITY TITLE/ PROCUREMENT, MA BUDGET ACTIVITY	NO: RINE CORPS		DEL/SERIES/POR		C. MANUFACTU PLANT CITY/S LOCATION LOCKHEED-MART BURLINGTON, V	TATE	D. DATE
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
LAV AIR DEFENSE IPT									
LAV-AD CONTRACT ITEMS FROM LOCKHEED-MARTIN							2026		
GOVT AGENCY SUPPORT (TARGETS, RANGES, INSTRUMENTATION, REPORTS)							4701		
TOTAL COST	202200		0		0		6727		0

BLI NR. 203900

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3 2

	BU	DGET ITEM JUST	FICATION SHEET			DATE		
APPROPRIATION/BUDG	ET ACTIVITY:			P-1 ITEM NOM	ENCLATURE:			
PROCUREMENT, MARIN	E CORPS/BUDGET	ACTIVITY	2		MODIFICATION	KITS (TRACKED	VEHICLES)	
							RCN:	027231
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY					0	0	0	0
COST (IN MILLIONS)	\$ 16.8	\$ 0.5	\$ 4.5	\$ 11.0	\$ 17.9	\$ 17.7	\$ 21.5	\$ 2.1

The following modifications to Marine Corps tracked vehicles are being procured in this budget line:

## SELF CLEANING AIR FILTER (SCAF):

This system will improve the RAM of the M1A1 tank by pre-cleaning the air filters before air exits the cleaner for the engine. This modification lengthens the time between failure.

## AVLB BRIDGE:

This program upgrades the scissor bridge from military load class (MLC) 60 to MLC 70 at full span.

## TANK UPGRADE:

This program will upgrade 48 M1A1 Army tanks to Marine Corps configuration for transfer to Marine Corps units.

## ARMORED VEHICLE DRIVERS THERMAL VIEWER ENHANCED (AVDVE):

Provides vehicles with capability to operate at night, during conditions of rain and fog as well as under conditions with battlefield obscuration present.

### MUZZLE BORESIGHT DEVICE:

Item will allow M1A1 tank to achieve boresight in Garrison and on the battlefield. It will increase ability of tank to targets at range.

## CONDUCT OF FIRE TRAINER (COFT)UPGRADE:

Upgrades COFT device to new graphics mode, current computer technology. This will increase the usability and RAM for the system. It will allow for reduction of rounds used by tank battalions.

## INBORE SUBCALIBER TRAINING DEVICE:

This is a training device that when applied to the M1A1 tank allows a .50 caliber round to simulate the firing of the tank maingun.

## DUAL AXIS HEAD ASSEMBLY:

This program upgrades the M1A1 tanks' existing head assembly with the production head assembly from the M1A2 tank. This improves commonality with th US Army and the capability of the tank to track targets.

BLI NR.	206300		D 1 011	OPPING LIST
		ITE		PAGE NO.
			4	_ 1

	ITEM JUSTIFIC	CATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:		_	P-1 ITEM NOMEN				
PROCUREMENT, MARINE CORPS/BUDGET ACT		2		MODIFICATION K	ITS (TRACKED VEH)	CLES) RCN:	027231
MODIFICATION TITLE	<u>FY 1996</u>	<u>FY 1997</u>	FY 1998	FY 1999			
SCAF	8.180	0.456	3.724				
AVLB	2.769						
TANK UPGRADE	5.758						
AVDVE				5.200			
MUZZLE BORESIGHT DEVICE			0.300	0.510			
COFT				0.900			
INBORE SUBCALIBER TRAINING DEVICE			0.384				
DUAL AXIS HEAD ASSEMBLY				4.332			
CONTRACTOR SUPPORT SERVICES	0.065	0.024	0.075	0.023			
TOTAL	16.772	0.480	4.483	10.965			
BLI NR. 206300			P-1 SHOPP	TNG LIST			EXHIBIT P

P-1 SHOPPING LIST
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	STIFICATION SHEET	DATE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:	
ROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	2	MODIFICATION KITS (	TRACKED VEHICLES)  RCN: 027231
	INSTALLING		
<u>IOD</u>	<u>AGENT</u>	INSTALLATION	END ITEM
SELF CLEANING AIR FILTER (SCAF)	DEPOT/FIELD	BEGIN: AUG 96 END: NOV 97	M1A1 TANK
VLB BRIDGE	MCLB ALBANY	BEGIN: AUG 97	AVLB
		END: SEP 97	
'ANK UPGRADE	MCLB ALBANY	BEGIN: AUG 97 END: SEP 97	M1A1 TANK
RMORED VEHICLE DRIVERS THERMAL VIEWER ENHANCED (AVDVE)	DEPOT/FIELD	BEGIN: OCT 99 END: SEP 00	M1A1/AAV/LAV/M88/AVLB
UZZLE BORESIGHT DEVICE	DEPOT/FIELD	BEGIN: JAN 99 END: OCT 99	M1A1 TANK
ONDUCT OF FIRE TRAINER (COFT) UPGRADE	CONTRACTOR	BEGIN: JAN 99 END: SEP 99	COFT
NBORE SUBCALIBER TRAINING DEVICE	FIELD	BEGIN: DEC 98 END: SEP 99	M1A1 TANK
DUAL AXIS HEAD ASSEMBLY	FIELD	BEGIN: JAN 99 END: DEC 99	M1A1 TANK
BLI NR. 206300		P-1 SHOPPING LIST	EXHIBIT P-

P-1 SHOPPING LIST

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4 - 3

			BUDGET I	TEM JU	STIFICATIO	N SHEE	Т				DATE			
APPROPRI	ATION/BUDGET ACT	IVITY	:				P-1 ITEN	NOME1	NCLATURE:					
PROCUREM	ENT, MARINE CORP	S/BUDO	GET ACTIVI	TY	2				MODIFICA	TION KI	TS - TRA	CKED VI	EHICLES	
													RCN:	27231
	FY 1996		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002	FY 2003
QUANTITY	0		0		0		0		0		0		0	0
COST (IN	MI\$LIONS) 5.8	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$	0.0	\$ 0.0
~	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$	0	\$ F

This program will upgrade 48 M1A1 Army tanks to Marine Corps configuration for transfer to Marine Corps units.

BLI NR. <u>206300</u>

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EXHIBIT P-40R

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATIO ACTIVITY TITLE/ PROCUREMENT, MA BUDGET ACTIVITY	NO: RINE CORPS		DEL/SERIES/POI		C. MANUFACTU PLANT CITY/S LOCATION		D. DATE
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
SELF CLEANING AIR FILTER  CONTRACTOR SUPPORT SVCS	A	37523	218 8180 65	38000	12 456 24	38000	98 3724 75		
AVLB BRIDGE	A	92307	30 2769						
TANK UPGRADE	A	119958	48 5758						
AVDVE	А							20000	260 5200
MUZZLE BORESIGHT DEVICE	А					2000	150	2000	255 510
CONDUCT OF FIRE TRAINER	А							150000	900
INBORE SUBCALIBER TRAINING DEVICE	А					6000	384		
DUAL AXIS HEAD ASSEMBLY  CONTRACTOR SUPPORT SVCS	A							49793	87 4332 23
Spares			(1196)		(0)		(109)		(0)
TOTAL COST			16772		480		4483		10965
BLI NR.	206300		10112	P-1 SHOP ITEM NO. 4	PING LIST PAGE NO.		<u> </u>	1	EXHIBIT P-5

	PI	ROCUREMENT 1	HISTORY & PI	ANNING				DATE:		
APPROPRIATION/BUDGET	ACTIVITY:				P-1 ITEM NO	MENCLATURE:				
PROCUREMENT, MARINE	CORPS/BUDGET ACTIVIT	Ϋ́	2	_	MODIFICATIO	N KITS (TRAC	CKED VEHICL	ES)		
								RCN:	027231	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
FISCAL YEAR	LOCATION	AND TYPE	ВУ	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL
M171 CONF										
M1A1 SCAF	CEM DIMIN I AND		E2 COM		TTT 17 0.6	010	27 522	7700	NTO	77 / 7
FY 96	GEN DYNAM LAND WARREN, MI	SS/FFPO	TACOM	FEB 96	JULY 96	218	37,523	YES	NO	N/A
FY 97	GEN DYNAM LAND WARREN, MI	SS/FFPO	TACOM	FEB 97	MAR 97	12	38,000	YES	NO	N/A
FY 98	GEN DYNAM LAND WARREN, MI	SS/FFPO	TACOM	OCT 97	NOV 97	98	38,000	YES	NO	N/A
AVLB BRIDGE										
FY 96	MCLB, ALBANY,GA	ALLOTMENT	ALBANY	MAR 96	JAN 97	30	92,307	YES	NO	N/A
TANK UPGRADE (RES) FY 96	MCLB, ALBANY, GA TACOM, WARREN, MI	ALLOTMENT MIPR	ALBANY TACOM	OCT 95	JAN 96	48	119,958	YES	NO	N/A
AVDVE										
FY 99	TEXAS INSTRUM MCKINNEY, TX	C/FFPO	CECOM	OCT 98	OCT 99	260	20,000	YES	NO	N/A
MUZZLE BORE DEV										
FY 98	ACALA	MIPR	TACOM	OCT 97	JAN 98	150	2,000	YES	NO	N/A
FY 99	ACALA	MIPR	TACOM	OCT 98	JAN 99	255	2,000		NO	N/A
COFT UPGRADE										
FY 99	VARIOUS	C/FFP	STRICOM	NOV 98	JAN 99	6	150,000	YES	NO	N/A
INBORE SUBCAL										
FY 98	VARIOUS	MIPR	TACOM	OCT 97	JAN 98	64	6,000	YES	NO	N/A
DUAL AX HEAD (DAHA) FY 99	VARIOUS	MIPR	TACOM	OCT 98	JAN 99	87	49,793	YES	NO	N/A

REMARKS:

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PAGE NO.

MODIFICATION TITLE: AVLB SCISSOR BRIDGE

MODELS OF SYSTEMS AFFECTED: AVLB

DESCRIPTION/JUSTIFICATION: This program upgrades the scissor bridge from military load class (MLC) 60 to MLC 70 at full span.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY	1999	FY :	2000	FY :	2001	FY 200	)2	TO	COMP		TOTAL
	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity	30																30	
Installation Kits																		0.000
Install. Kits Nonrecurring																		0.000
Equipment																		0.000
Equipment Nonrecurring		2.769																2.769
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
														4 –	7			

		1996		1997		1998		1999		2000		2001		2002		COMP	_	TOTAL
	<u>QTY</u>	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																	0	0.000
(FY 1996) Eqpt( Kit;	3)																0	0.000
(FY 1997) Eqpt( Kits	3)																0	0.000
(FY 1998) Eqpt( Kits	3)																0	0.000
(FY 1999) Eqpt( Kits	3)																0	0.000
(FY 2000) Eqpt( Kits	3)																0	0.000
(FY 2001) Eqpt( Kit:	3)																0	0.000
(FY 2002) Eqpt( Kit:	3)																0	0.000
(TO COMP) Eqpt( Kit;	3)																0	0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL DROCKED EMENT COCK	2.0	0.760		0 000		0 000		0 000		0 000		0 000		0 000		0 000	2.0	0.760
TOTAL PROCUREMENT COST	30	2.769		0.000		0.000		0.000		0.000		0.000		0.000		0.000	30	2.769
METHOD OF IMPLEMENTATIONDEPOT					ADM.	IN LEAD-	TTME:	6	MONTH	ıs		PR∩I	חווכידו	N LEAD	_TTME:	9	MONTHS	
					71011		111111		_1101111	10		1101	DOCTIO		1 111111		110111110	
CONTRACT DATES: FY 1996	MAR 96		F	Y 1997				FY 1998	8									
			_				-				_							
DELIVERY DATES: FY 1996	JAN 97		F'	Y 1997			_	FY 1998	8		_							
FY 1990	5	FY 199	<u>97</u>	FY 199	98		FY	1999		<u>FY 2</u>	2000		FY	2001	FY	2002	<u> </u>	TOTAL
INSTALLING SCHEDULE: 1 2 3	<u>4</u> <u>1</u>	2 3	<u>4</u> <u>1</u>	2 3	<u>4</u>		1 2	3 4		1 2	3 4		1 2	3 4	1 2	<u>3 4 1</u>	2 3	<u>4</u>

INPUT

30

OUTPUT

30

\*NOTE: DEPOT IS A TURN KEY ACQUISITION.

EXHIBIT P-3A INDIVIDUAL MO

4-8

MODIFICATION TITLE: SELF CLEANING AIR FILTER (SCAF)

MODELS OF SYSTEMS AFFECTED: M1A1 TANK

DESCRIPTION/JUSTIFICATION: This system will improve the RAM of the M1A1 tank by pre-cleaning the air filters before air exits

the cleaner for the engine. This modification lengthens the time between failure.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

RDT&E	<u>FY</u> QTY	<u>1996</u> \$	<u>FY</u> QTY	1997 \$	<u>FY</u> QTY	1998 \$	FY 1 QTY	<u>999</u> \$	FY 2 QTY	<u>2000</u> \$	FY 2 QTY	2001 \$	FY 2 QTY	<u>2002</u> \$	TO QTY	<u>COMP</u> <u>\$</u>	QTY 0	<u>\$</u> 0.000
PROCUREMENT																	0	0.000
Kit Quantity Installation Kits Install. Kits Nonrecurring	218	8.180	12	0.456	98	3.724											328	0.000 12.360
Equipment Equipment Nonrecurring Engineering Change Orders Data																		0.000 0.000 0.000 0.000
Training Support Support Equipment		0 065		0 024		0 075												0.000
Other Interim Contractor Support		0.065		0.024		0.075								4-9	)	EXH	IBIT P-3A	0.164 0.000 INDIVIDUAL MO

		FY	1996	FY 1997	7_	FY 19	98	FY 199	99	FY 20	00	FY 20	001	FY	2002	TO	COMP		TOTAL
		QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$
INSTALLATION OF HARDWAR	RE																	0	0.000
(FY 1996) Eq	pt( Kits)	)																0	0.000
(FY 1997) Eq	pt( Kits)	)																0	0.000
(FY 1998) Eq	pt( Kits)																	0	0.000
(FY 1999) Eqr	pt( Kits)	)																0	0.000
(FY 2000) Eq	pt( Kits)	)																0	0.000
(FY 2001) Eq	pt( Kits)																	0	0.000
(FY 2002) Eq	pt( Kits)																	0	0.000
(TO COMP) Eq	pt( Kits)																	0	0.000
TOTAL INSTALLATION COST	Γ	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT (	COST	218	8.245	12	0.480	98	3.799		0.000		0.000		0.000		0.000		0.000	328	12.524
METHOD OF IMPLEMENTATION CONTRACT DATES:	FY 1996	FEB 96		<del></del>	Y 1997	FEB 9	7		FY 199	MONTH	7	_	PROI	DUCTIC	N LEAD	-TIME:	4	MONTHS	
DELIVERY DATES:	FY 1996	JUL 96			1997	MAR 9				8 <u>NOV 9</u>		_		0					
INSTALLING SCHEDULE:	FY 1996		Y 1997		1998		FY 1999				FY 200		FY 200		TOT				
INPUT	1 2 3		2 3 0 72 60		2 3 0 40 5		1 2 3	<u>34</u> <u>.</u>	1 2	3 4	1 2	3 4	1 2	<u>34</u>	1 2	<u>3 4</u>			
OUTPUT	4	15 6	0 72 60	6 40	0 40 5										4-10				

MODIFICATION TITLE: ARMORED VEHICLE DRIVERS THERMAL VIEWER

MODELS OF SYSTEMS AFFECTED: M1A1 TANK/LAV/AAV/M88/AVLB

DESCRIPTION/JUSTIFICATION: Provides vehicles with capability to operate at night, during conditions of rain and fog as well as

under conditions with battlefield obscuration present.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: MS III APR 97

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY :	1998	FY	1999	FY 2	2000	FY 2	2001	FY :	2002	TO C	COMP		TOTAL
	QTY	\$	QTY	<u>\$</u>	<u>QTY</u>	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity							260										260	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring								5.200										5.200
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
														4-11	-			

	FY 1996	<u>FY</u>	1997	FY	1998	FY	1999	FY 2	2000	FY	2001	FY	2002	<u>TO</u>	COMP		TOTAL
	QTY \$	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																0	0.000
(FY 1996) Eqpt( Kits)																0	0.000
(FY 1997) Eqpt( Kits)																0	0.000
(FY 1998) Eqpt( Kits)																0	0.000
(FY 1999) Eqpt( Kits)																0	0.000
(FY 2000) Eqpt( Kits)																0	0.000
(FY 2001) Eqpt( Kits)																0	0.000
(FY 2002) Eqpt( Kits)																0	0.000
(TO COMP) Eqpt( Kits)																0	0.000
TOTAL INSTALLATION COST	0 0.	000 0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST	0.	000	0.000		0.000	260	5.200		0.000		0.000		0.000		0.000	260	5.200
METHOD OF IMPLEMENTATION:	FIELD/DEPO	Г		_	ADM]	IN LEA	D-TIME:	1_N	MONTHS		PROD	OUCTIO	N LEAD-	-TIME:	12_	MONTHS	
CONTRACT DATES: FY 1996		:	FY 1997			_	FY 1998	3		-							
DELIVERY DATES: FY 1996		;	FY 1997			_	FY 1998	8		-							
FY 1996 INSTALLING SCHEDULE: 1 2 3		7 1997 3 4	<u>FY 19</u> 1 2 3		<u>FY 19</u>		<u>FY 2</u> 1 2		<u>FY 2</u> 41 2		<u>FY 2</u> 1 2 3		<u>TOT.</u> 1 2 3				
INPUT							60 60	0 60	80								
OUTPUT							(	60 60	60 8	30			4-12				

MODIFICATION TITLE: MUZZLE BORESIGHT DEVICE

MODELS OF SYSTEMS AFFECTED: M1A1 TANK

DESCRIPTION/JUSTIFICATION: Item will allow M1A1 tank to achieve boresight in Garrison and on the battlefield. It will increase

ability of tank to engage targets at greater range.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	<u>FY</u>	1997	FY	1998	FY	1999	FY 2	2000	<u>FY 2</u>	001	FY :	<u> 2002</u>	TO	COMP	r -	<u> </u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity					150		255										405	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring						0.300		0.510										0.810
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support														4-13	3			0.000
																EXH	IBIT P-3A	A INDIVIDUAL MO

		FY	<u> 1996</u>	FY :	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	, -	<u> </u>
		QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE	<b>⊆</b>																		
(FY 1996) Eqpt	t( Kits)																	0	0.000
(FY 1997) Eqpt																		0	0.000
(FY 1998) Eqpt																		0	0.000
(FY 1999) Eqpt																		0	0.000
(FY 2000) Eqpt																		0	0.000
(FY 2001) Eqpt																		0	0.000
(FY 2002) Eqpt																		0	0.000
(TO COMP) Eqpt	t( Kits)																	0	0.000
TOTAL INSTALLATION COST		0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT CO	OST		0.000		0.000	150	0.300	255	0.510		0.000		0.000		0.000		0.000	405	0.810
METHOD OF IMPLEMENTATION	NDepot/Fie	ld				_	ADMI	N LEA	D-TIME:	1	_MONTHS		PROD	UCTIO	N LEAD-	·TIME:	2_	MONTHS	
CONTRACT DATES:	FY 1996			FY	1997			_	FY 1998	BOCT 9	7	_							
DELIVERY DATES:	FY 1996			FY	7 1997			_	FY 1998	BJAN 9	8	_							
INSTALLING SCHEDULE:	<u>FY 199</u>		FY 199 2 3		FY 199		FY 19 1 2		<u>FY 2</u> (		<u>FY 2</u>		<u>FY 2</u> 1 2 3		TOTA 1 2 3				
INPUT																			
OUTPUT					50 50		100 100 (END IT								4-14				

MODIFICATION TITLE: CONDUCT OF FIRE TRAINER (COFT) UPGRADE

MODELS OF SYSTEMS AFFECTED: CONDUCT OF FIRE TRAINER FOR M1A1 TANK

DESCRIPTION/JUSTIFICATION: Upgrades COFT device to new graphics mode, current computer technology. This will increase the

usability and RAM for the system. It will allow for reduction of rounds used by tank battalions.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

,																		
	FY	1996	FY	1997	FY	1998	FY 19	99	FY 200	0	FY 2001	<u>.</u> <u>F</u>	Y 200	2	TO (	COMP	I	OTAL
	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY \$	<u>S</u> Ç	QTY \$	QT	<u>Y</u> \$	5	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity							6										6	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring							0.	900										0.900
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support													4	-15				0.000
																EXH	IBIT P-3A	INDIVIDUA

		FY	1996	<u>FΥ</u>	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	TO	COMP	<u> 1</u>	COTAL
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE																			
(FY 1996) Eqpt(	Kits)																	0	0.000
(FY 1997) Eqpt(	Kits)																	0	0.000
(FY 1998) Eqpt(	Kits)																	0	0.000
(FY 1999) Eqpt(	Kits)																	0	0.000
(FY 2000) Eqpt(	Kits)																	0	0.000
(FY 2001) Eqpt(	Kits)																	0	0.000
(FY 2002) Eqpt(	Kits)																	0	0.000
(TO COMP) Eqpt(	Kits)																	0	0.000
TOTAL INSTALLATION COST		0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COS	Т		0.000		0.000		0.000	6	0.900		0.000		0.000		0.000		0.000	6	0.900
METHOD OF IMPLEMENTATIONC	ontracto	r				_	ADMI	N LEA	D-TIME:	:2	_MONTHS		PROI	DUCTIO	N LEAD-	-TIME:	1_	MONTHS	
CONTRACT DATES: F	Y 1996			F	'Y 1997			_	FY 199	8		_							
DELIVERY DATES: F	Y 1996			F	'Y 1997			_	FY 199	8		_							
	FY 199	9 <u>6</u>	FY 199	<u>97</u>	FY 199	98	FY 19	999	FY 2	<u> 2000</u>		FY 20	<u>01</u>		<u>FY 2</u>	002		1	COTAL
INSTALLING SCHEDULE: 1	2 3	4 2	1 2 3	<u>4</u> <u>1</u>	. 2 3	<u>4</u>	1 2 3	4	1 2	3 4		1 2	3 4		1 2	3 4	1	2 3	<u>4</u>
INPUT							6												
OUTPUT							6												
															4-16				
*	NOTE: TH	IS IS	A TURN KE	Y ACQU	ISITION.												EXHI	BIT P-3A	INDIVIDUAL

MODIFICATION TITLE: INBORE SUBCALIBER TRAINING DEVICE

MODELS OF SYSTEMS AFFECTED: M1A1 TANK

DESCRIPTION/JUSTIFICATION: This is a training device that when applied to the M1A1 tank allows a .50 caliber round to simulate

the firing of the tank maingun. This will provide significant cost savings over the longterm as

a .50 caliber round costs less than the \$2,000.00 for a maingun round.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

	FY	1996	FY	1997	FY	1998	FY :	1999	FY	2000	FY	2001	FY 2	2002	ТО	COMP	${f T}$	<u>OTAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	<u>QTY</u>	\$	QTY	\$	QTY	\$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity					64												64	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring						0.384												0.384
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
														4-17	7			

	<u>F</u>	<u>'Y 1996</u>	FY	1997	FY	1998	FY	1999	<u>FΥ</u>	2000	FY	2001	FY	2002	<u>TO</u>	COMP	<u>T</u>	OTAL
	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																	0	0.000
(FY 1996) Eqpt( Ki	ts)																0	0.000
	ts)																0	0.000
(FY 1998) Eqpt( Ki	ts)																0	0.000
(FY 1999) Eqpt( Ki	ts)																0	0.000
(FY 2000) Eqpt( Ki	ts)																0	0.000
(FY 2001) Eqpt( Ki	ts)																0	0.000
(FY 2002) Eqpt( Ki	ts)																0	0.000
(TO COMP) Eqpt( Ki	ts)																0	0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST		0.000		0.000	64	0.384		0.000		0.000		0.000		0.000		0.000	64	0.384
METHOD OF IMPLEMENTATIONFIELD					ADM	IN LEAD-	TIME:	1	MONTH	IS		PROI	DUCTIC	N LEAD	-TIME:	2	MONTHS	
CONTRACT DATES: FY 199	96		_ F	Y 1997			-	FY 1998	BOCT 9	7	_							
DELIVERY DATES: FY 199	96		_ F	Y 1997			-	FY 1998	BJAN 9	8	-							
	1996 3 4	<u>FY 199</u>		<u>FY 199</u> 2 3		<u>FY 19</u> 1 2		<u>FY 20</u> 41 2 3			FY 20 1 2	0 <u>1</u> 3 4		FY 2	3 4	1	<u>T</u> 2 3 4	OTAL L

INPUT

OUTPUT

4-18

MODIFICATION TITLE: DUAL AXIS HEAD ASSEMBLY

MODELS OF SYSTEMS AFFECTED: M1A1 TANK

DESCRIPTION/JUSTIFICATION: This program upgrades the M1A1 tanks' existing head assembly with the production head assembly from

the M1A2 tank. This improves commonality with th US Army and the capability of the tank to track targets.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: N/A

FINANCIAL PLAN: (\$ in Millions)

	<u>FY</u>	1996	FY	1997	FY	1998	FY :	1999	FY :	2000	FY 2	2001	FY :	2002	TO (	COMP		TOTAL
	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity							87										87	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring								4.332										4.332
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other								0.023										0.023
Interim Contractor Support																		0.000
														4-19	9			

		<u>F</u>	Y 1996	FY	1997	FY	1998	FY	1999	FY	2000	FY	2001	FY	2002	<u>TO</u>	COMP	Ţ	'OTAL
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE																		0	0.000
(FY 1996) Eqpt	( Kits)																	0	0.000
(FY 1997) Eqpt	( Kits)																	0	0.000
(FY 1998) Eqpt	( Kits)																	0	0.000
(FY 1999) Eqpt	( Kits)																	0	0.000
(FY 2000) Eqpt																		0	0.000
(FY 2001) Eqpt																		0	0.000
(FY 2002) Eqpt																		0	0.000
(TO COMP) Eqpt	( Kits)																	0	0.000
TOTAL INSTALLATION COST			0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COS	ST		0.000		0.000		0.000	87	4.355		0.000		0.000		0.000		0.000	87	4.355
METHOD OF IMPLEMENTATIONE	FIELD/DEP	OT				ADM	IN LEAD-	-TIME:	1	_MONTH	IS		PROI	OUCTIO	N LEAD	-TIME:	2	MONTHS	
CONTRACT DATES:	FY 1996			F	Y 1997			_	FY 199	8		_							
DELIVERY DATES:	FY 1996			F	Y 1997			_	FY 199	8		_							
INSTALLING SCHEDULE:	FY 1996 1 2 3	<u>4</u>	FY 199		FY 19 2 3				1999 3 4		FY 2 1 2				2001 3 4		2002 3 4 1	<u>1</u> 2 3 4	' <u>OTAL</u> 4
INPUT																			

OUTPUT

20 20 20 27

EXHIBIT P-3A INDIVIDUAL MO

4-20

									PMC PROI	DUCTIO	ON SCHE	DULE (485	0)															DAT	E:												
BUDGET ACTIVITY: PROCURE	MENT M	ARINE CO	RPS/BUD						2			ITEM NOME	NCLATUR	RE:	MODI	FICAT	CION K		7		ICLES)								RCN:	1	027231										
		S		PROGRAM	QUANTITY	<u>.                                    </u>		ll ll	BAL FI			96	7777			0.0			FISC	CAL YE			97	VE 3			^-			FISCA	L YEAR:			98	VD * D :				n o		L
ITEM AND MANUFACTURER	U/M	B EA	FY	FY	FY	FY	ll ll		DUE CY	95		CALENDAR	YEAR:			96						CALEN	IDAR !	YEAR:			97						CAL	ENDAR	YEAR:				98		A T
TIEM AND MANOPACIONER	0/14	v	97		99	00	1 (		ll l	r Nov	7 DEC	JAN FEB	MAR	APR	MAY JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN JU	L AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN J	JUL AUG	SEP	E R
SCAF	EA	MC 218	$\neg$	90	99		01		218			A				22	23	20	20	20	20	20	20	16	16	16	5														
GENERAL DYNAMICS SCAF																																									
GENERAL DYNAMICS	EA	A 212	2					2	212 A				29	21	22 21	36	36	47																							
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SCAF GENERAL DYNAMICS	EA	A	587					5	587									A	48	42	38	58	58	58	58	61	51 45	35	35												
SCAF GENERAL DYNAMICS	EA	MC		98				!	98																					A	20	20	20	20	18						
SCAF GENERAL DYNAMICS	EA	A		115					.15																	A				35	40	40									
						SHEET	0	)F	OC'	r Nov	7 DEC	JAN FEB	MAR	APR	MAY JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN JU	L AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN J	JUL AUG	SEP	

	PRO	DUCTION RAT	TES	REACHED	PRO	OCUREMENT I	LEAD TIME			REMARKS
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+		ADMIN L	EAD TIME			
								MANU-	TOTAL	
GENERAL DYNAMICS, WARREN MI	10	75	100			PRIOR	AFTER	FACTURING	AFTER	
						1 OCT	1 0CT	TIME	1 OCT	
					INITIAL	3	4	12	16	
					REORDER (Previous Source)	1	1	1	2	

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
4 - 21

BLI NR. 206300

											PMC	PRODU	CTION SC																		DA													
BUDGET ACTIVITY: PROCURE	IENT M	ARINE	CORP	S/BUD	GET ACT	YTIVITY	:				2		P-	1 ITI	EM NOMEN	ICLATURI	Ξ:	MODI	FICAT	ION KI	TS (T	RACKE	D VEH	ICLES)	)							RCN	:	027231										
		S			PROGRA	AM QUA	NTITY			ACC	BAL	FISC	AL YEAR:		96							FISC	AL YE	AR:		97							FISCA	L YEAR:			98							
		E								PRIOR	DUE	CY:	95	CZ	ALENDAR	YEAR:			96						CALEN	IDAR Y	EAR:			97						CA	LENDAR	YEAR	:			98		
ITEM AND MANUFACTURER	U/M	R	FY	FY	FY		FY	FY	II II	TO																																		
		v											NOV DE	C JA	AN FEB	MAR A	APR	MAY JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR I	MAY	וטע   זטו	L AUG	SEP	OCT	NOV	DEC	JA	N FEB	MAR	APR	MAY	JUN	JUL AU	G SE	
AVLB BRIDGE	EA	MC	30	97	98		99	0.0	01		30					A									7	6	7	6	4															
ICLB ALBANY																																												
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	PRC	DUCTION RAT	TES	REACHED	
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+	
MCLB, ALBANY, GA	5	10	20		
					<b></b>

PR	OCUREMENT I	LEAD TIME		
	ADMIN L	EAD TIME		
			MANU-	TOTAL
	PRIOR	AFTER	FACTURING	AFTER
	1 OCT	1 0CT	TIME	1 OCT
INITIAL		6	9	15
REORDER (Previous Source)				

REMARKS:

EXHIBIT P-21

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
4 - 22

JDGET ACTIVITY: PROCURE	, s				ROGRAM		TITY			ACC	ERR	1	P-1 I		9							F	ISCAL :	YEAR:		00						`		FISCA	L YEAR	:	 (	01						
	E				JUGICAN	~ 012111				PRIOR				CALENI		EAR:			9	)							YEAR	<u> </u>			00			_ I IDCA.	_ 1141/			DAR YE	AR:			01		
ITEM AND MANUFACTURER	U/M R					FY			FY	TO	AS OF		DEC	JAN F	EB	MAR /	APR I	MAY			UG SE	P OC	YON T!	V DE	C JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ЛОИ	7 DE				PR M	AY JU	JN JUI	L AUG	SE
DVE	EA MC	98	99	$\neg$	00	01	L	02	0.3		260	A										20	20	20	20	20	20	20	20	20	20	30	30											

	PRO	DUCTION RAT	ES	REACHED
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+
TEXAS INSTRUMENTS, MCKINNEY TX	50	250	500	

BLI NR. 206300

PRO	CUREMENT L	EAD TIME		
	ADMIN L	EAD TIME		
			MANU-	TOTAL
	PRIOR	AFTER	FACTURING	AFTER
	1 OCT	1 0CT	TIME	1 OCT
INITIAL	1	1	12	13
REORDER (Previous Source)	1	1	1	2

REMARKS:

P-1 SHOPPING LIST ITEM NO. PAGE NO.

EXHIBIT P-21

4 - 23

												PMC P	RODU	CTION SCHE	DULE (	(4850	)																DATE:	:												
BUDGET ACTIVITY: PROCURE	IENT M	IARINE	CORI	PS/BUI								2					CLATURE	:	MODI	FICAT	ION KI		TRACKE			S)								RCN:		027231										
		S			PROG	RAM (	UTITNAUC	<u>Y</u>			ll ll	BAL L		AL YEAR:	1	98 NDAR	YEAR:			98			FISC	CAL YE	EAR:	CATE	99 ENDAR	ΛΕν <b>υ</b> .	•			99			FISCA	L YEAR:			00 LENDAR		<u>.</u>			00		
ITEM AND MANUFACTURER	U/M	R	FY	FY	FY	7	FY	F	y F			S OF		91	CALE	NDAK	I LAR.			76						CALE	MDAK	I EAR.	· 			99						CA	TENDAR	ILAR						
		V		97			99		0 0	1				NOV DEC	JAN	FEB	MAR A	APR	MAY JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JA	N FEB	MAR	APR	MAY	JUN	JUL A	AUG S	
	EA					150						150	A		15	10	15 1	0	15 10	15	10	15	10	15	10																					
ACALA																																														
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	JL		IL					SHE	ET	(	OF		ОСТ	NOV DEC	JAN	FEB	MAR A	APR	MAY JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JA	N FEB	MAR	APR	MAY	JUN	JUL A	AUG	3EP

	PRO	DUCTION RAT	ES	REACHED	PRO	CUREMENT L	EAD TIME			REMARKS:
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+		ADMIN L	EAD TIME			
								MANU-	TOTAL	
US ARMY, ROCK ISLAND ARSENAL						PRIOR	AFTER	FACTURING	AFTER	
						1 OCT	1 0CT	TIME	1 OCT	
					INITIAL		1	2	3	
					REORDER (Previous Source)		1	2	3	

BLI NR. 206300

P-1 SHOPPING LIST

ITEM NO. PAGE NO.

4 - 24

											PMC PI	RODUC	CTION SCHE	DULE (48	350)																DATE:													
BUDGET ACTIVITY: PROCUREM	ENT M	ARINE	CORP	S/BUD							2			ITEM NON		LATURE:	MOI	IFIC	ATION	KITS												RCN:		027231										
		S			PROGRAM	M QUANT	TITY			ll l	BAL DUE		AL YEAR:	CALENDA		F7D.		99	<u> </u>		F	ISCAL	YEAR:	$\neg$	0	YEAR	· •						FISCAI	L YEAR:		777	1 LENDAR	מענוע.	•			1		
ITEM AND MANUFACTURER	U/M	R R	FY	FY	FY	FY	,	FY		TO .		CY.	98	CALENDA	AR YE	EAK •		95	,					CAI	TENDAL	YEAR	<u> </u>			U						CAI	LENDAR	YEAR	•					
TIEM TEND THENOTHOLOUGH	0,11	v		97				00	=			OCT	NOV DEC	JAN FE	B M	MAR APR	MAY JU	N JU	TL AT	JG SE	EP 00	T NO	OV DE	C JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	I FEB	MAR	APR	MAY	JUN	JUL A	UG S	
CONDUCT OF FIRE TRAINER	EA				70		6				6		A	2 2		2																												
VARIOUS																																												
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	PROI	DUCTION RAT	TES	REACHED	PRO	OCUREMENT I	EAD TIME			REMARKS:
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+		ADMIN L	EAD TIME			
								MANU-	TOTAL	
VARIOUS						PRIOR	AFTER	FACTURING	AFTER	
						1 OCT	1 0CT	TIME	1 OCT	
					INITIAL		2	1	3	
					REORDER (Previous Source)					
BLI NR. 206300					P-1 SHOPPING LIST					EXHIBIT

P-1 SHOPPING LIST ITEM NO. PAGE NO. 4 - 25

												PMC PR	RODUC	CTION SCHE																		DAT													
BUDGET ACTIVITY: PROCURE	IENT M	ARINE	CORP	S/BUD								2					CLATURE:	I	IODIF:	CATIO	ON KIT												RCN:		027231										
		S   -			PROGE	RAM Q	UANTITY	<u> </u>			ll ll	BAL E		AL YEAR:	CALENI	98 DAR V	ALVD.			98			FISCA	L YEAR		99 ALEND		י סמי			99			FISCA	L YEAR:		CAT	00 LENDAR					00		
ITEM AND MANUFACTURER	U/M	r R	FY	FY	FY		FY	FY	r FY	II.		I	<u></u>	) I	CALENI	JAK Y	LEAK.			<i>J</i> 0						AUEND.	<u> </u>	MAK.			99						CAI	пеирак	I LAK				00		
		V		97			99		0 01	1 0			OCT	NOV DEC	JAN F	EB	MAR APR	MAY	JUN	JUL	AUG	SEP (	OCT	NOV   I	DEC J	AN FI	EB M	IAR A	APR MA	Y J	UN JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL A	UG S	
INBORE SUBCAL	EA					64						64	A		10 1	10	10 10	5	5	5	5	4																							
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	PRO	DUCTION RA	TES	REACHED	PRO	OCUREMENT I	EAD TIME			REMARKS:
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+		ADMIN L	EAD TIME			
								MANU-	TOTAL	
						PRIOR	AFTER	FACTURING	AFTER	
						1 OCT	1 0CT	TIME	1 OCT	
					INITIAL		1	2	3	
					REORDER (Previous Source)					

BLI NR. 206300

P-1 SHOPPING LIST

ITEM NO. PAGE NO.

4 - 26

										PMC I	PRODUCTI						<b>.</b> .																DATE															
BUDGET ACTIVITY: PROCURE	EMENT			PS/BUI						2						LATURE	:		MODIF	'ICAT	ION K	ITS (T	1		HICLES	)								RCN:		0272												
		S			PROGRAM	I QUANTITY	<u> </u>			IL	FISCAL				99	EAR:				99			FISC	CAL YE	EAR:	CALE	00	7/2/2 D				00			FISCA	L YEA	R:			01	/				0.1		I	L
ITEM AND MANUFACTURER	II / M	R E	FY	FY	FY	FY	FY	FY	ll l	I r	CY: 98	<u> </u>		ALENI	DAR 1	EAR.				99						CALE	MDAR	YEAR	<u> </u>										CALEN	DAR 1	LAR.				01		A	А Т
TIEM TEND THENOTHOLOUGH		V		97		99		II II	ll l	ll.	OCT NO	DV DE	EC JA	AN F	FEB	MAR A	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NO	OV	DEC	JAN I	FEB	MAR	APR	MAY	JUN	JUL .	AUG Si	EP E	
DUAL AXIS HEAD ASSEM						87				87	A		10	0 1	15	10 1	.5	10	15	10	2																											
							SHEET		OF		OCT NO	OV DE	C JA	AN F	FEB	MAR A	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NO	OV	DEC	JAN E	FEB	MAR	APR	MAY	JUN	JUL .	AUG S	IP	
MANUF	ACTURI	ER'S N	JAME 8	LOCA	TION			MIN S			RATES -5 M	AXIMUI		EACH D+								PRO			LEAD T			167			1055-		REMA	ARKS:														
																							PR	IOR	AFI	TER		MANU- ACTUR:			OTAL FTER																	

REORDER (Previous Source) P-1 SHOPPING LIST

BLI NR. 206300

ITEM NO. PAGE NO. 4 - 27

INITIAL

TIME

2

1 OCT

1 OCT

1 0CT

	BUDG	ET ITEM JUSTIFI	CATION SHEET			DATE		
APPROPRIATION/BUDGE	T ACTIVITY:			P-1 ITEM NOMENCI	LATURE:			
PROCUREMENT, MARINE	CORPS/BUDGET AC	TIVITY _	BA 2	I	TEMS LESS THA	AN \$2 MIL TRACK	ED VEHICLES	
							RCN: 0	
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0 \$	0.1 \$	0.1	\$ 0.1 \$	0.1	\$ 0.1	\$ 0.0 \$	0.0

# M1A1 Tank

Funding is provided to procure the Halon Recovery / Recharging System for the M1A1 Main Battle Tank.

The M1A1 Main Battle Tank will have the required equipment to recover unused Halon 1301 from fire suppression systems and recharge the halon and nitrogen to ensure fire suppression and combat readiness.

BLI NR. \_\_\_\_210500

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
5 - 1

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION ACTIVITY TITLE / PROCUREMENT, MARKED BUDGET ACTIVITY	NO: RINE CORPS	B. WEAPON MC  ITEMS LESS TH  TRACKED VEHIC		PULAR NAME	C. MANUFACTU PLANT CITY/S LOCATION		D. DATE
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
HALON RECOVERY / RECHARGING SYSTEM FOR M1A1 TANK	CODE	UNIT COST	TOTAL COST	UNII COSI	96	UNII COST	99	UNIT COST	99
SPARES					(69)				
TOTAL COST			0		96		99		99
BLI NR.	210500			P-1 SHOP	PING LIST				EXHIBIT P-5

P-1 SHOPPING LIST ITEM NO. PAGE NO. 5 - 2

	BUD	GET ITEM JUSTIF	ICATION SHEET	DATE									
APPROPRIATION/BUDGE	ET ACTIVITY:			P-1 ITEM NOME	NCLATURE:								
PROCUREMENT, MARINE	E CORPS/BUDGET ACT	IVITY	2		MODIFICATION	KITS (ARTILLERY	/ & OTHER)						
							RCN:	027232					
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003					
QUANTITY	0	0	0	0	0	0	0	0					
COST (IN MILLIONS)	\$ 0.1	\$ 1.1	\$ 1.8	\$ 2.6	\$ 1.7	\$ 1.4	\$ 1.2	\$ 1.2					

Missile Guidance System (MGS) for TOW:

Upgrades the missile tracking software to provide enhanced targeting and reliability to the TOW missile system.

Underwater Breathing Apparatus (UBA) Upgrade Kit:

This modification to the MK 25 Mod 2 standardizes the Marine Corps UBA to the Navy configuration. This modification improves safety and allows the diver additional underwater time, thereby improving the capability of accomplishing the mission.

Blank Firing Adapter (BFA) for the AAV Up Gun Weapons Station:

Currently the AAV does not have an operable BFA. This system provides a BFA so that the AAV can fire blank training ammunition from its .50 caliber machine gun.

Quick Change Barrel for the M2 .50 Caliber Heavy Machine Gun (HMG):

Provides a barrel for the M2 .50 caliber machine gun which eliminates the requirement to perform headspace and timing operations each time the barrel is changed. This modification also provides the M2 with a front sight and a safety.

Special Effects Small Arms Marking System (SESAMS):

This system provides a modification to Marine Corps small arms systems allowing them to accept the special effects marking ammunition. This system provides more realistic training by allowing Marines to actually shoot each other without hurting each other, thus providing a better indication of small arms effectiveness to the Marine.

Special Application Scoped Rifle (SASR) Modification:

Provides a modification to the bolt of the SASR (.50 cal) in order to prevent the firing pin from being assembled incorrectly and causing an accidental discharge. Also, this modification chrome lines the chamber to reduce wear and prevents the sticking of cartridge cases to the hot chamber.

BLI NR. 220900 P-1 SHOPPING LIST ITEM NO. PAGE NO. 6 - 1

	BUDGET ITEM JUSTIFICATION S	SHEET	DATE
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGE	T ACTIVITY2	P-1 ITEM NOMENCLATUR MODIF	RE: CICATION KITS (ARTILLERY & OTHER) RCN: 027232
1240G Feed Tray Cover Enhanceme	nt:		
nhances the current feed tray quipment.	cover in order to attach anci	illary optical support	
1198 Hydraulic Power Assist Kit	(HyPak):		
Provides the hydraulic motor and and lowered.	d connections to the M198 How	vitzer that will allow the wh	eels of the Howitzer to be raised
MK 19 Grenade Machine Gun Safet	y Improvement/Fix:		
Currently the U.S. Army is condissues. The short term fix is kit once the Army determines the	currently in place. This lin	_	ix to the current MK 19 safety rement of the safety modification
MODIFICATION	INSTALLING AGENT	INSTALLATION	END ITEM
Iissile Guidance System	Depot	BEGIN: Nov 96 END: Feb 97	TOW Missile System
MK 25 UBA Enhancement Kit	Organizational	BEGIN: Feb 97 END: Jan 98	MK 25 Mod 2
Blank Firing Adapter	Organizational	BEGIN: Nov 97 END: Oct 98	.50 Caliber Machine Gun
50 Cal Quick Change Barrel	Organizational	BEGIN: Jul 98	M2 .50 Caliber Machine Gun

BLI NR. 220900		P-1 SHOPPING LIST	EXHIBIT P-
MK19 Safety Fix	Organizational	BEGIN: Apr 99 END: Mar 00	MK 19
M198 HYPAK	Depot	BEGIN: May 98 END: Apr 99	M198 Howitzer
M240G	Organizational	BEGIN: Jan 99 END: Dec 00	240 Machine Gun
SASR	Manufacturer	BEGIN: Sep 96 END: Aug 97	Small Arms Systems
SESAMS	Organizational	BEGIN: Apr 99 END: Mar 00	Small Arms Systems
.50 Cal Quick Change Barrel	Organizational	BEGIN: Jul 98 END: Jun 99	M2 .50 Caliber Machine Gun
Blank Firing Adapter	Organizational	BEGIN: Nov 97 END: Oct 98	.50 Caliber Machine Gun
MK 25 UBA Enhancement Kit	Organizational	BEGIN: Feb 97 END: Jan 98	MK 25 Mod 2
Missile Guidance System	Depot	BEGIN: Nov 96 END: Feb 97	TOW Missile System

ITEM NO. PAGE NO. 6 - 2

BUDGET ITEM JU	JSTIFICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOME	NCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	2		MODIFICATION 1	KITS (ARTILLERY & O'	THER) RCN:	027232
					ICIV-	027232
	(\$ in Millions	)				
	TV 1006	DV 1007	DV 1000	TV 1000		
MODIFICATION TITLE	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>		
Missile Guidance System		0.248				
MK 25 UBA Enhancement Kit		0.524				
Blank Firing Adapter		0.340				
		0.010				
			0.006	0.400		
.50 Cal Quick Change Barrel			0.806	0.400		
SESAMS				0.384		
SASR	0.109					
 M240G				0.884		
M100 MMD34			0.001	0.160		
M198 HYPAK			0.981	0.169		
MK19 Safety Fix				0.800		
TOTAL	0.109	1.112	1.787	2.637		
BLI NR. 220900		P-1 SHOP	PING LIST			EXHIBIT P-
		ITEM NO.	PAGE NO.			<b>_</b>
		6	- 3			

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION ACTIVITY TITLE/N PROCUREMENT, MAR	NO: RINE CORPS		DEL/SERIES/POP KITS (ARTILLER		C. MANUFACTU PLANT CITY/S LOCATION		D. DATE
		BUDGET ACTIVITY FY 1996		FY 1997		FY 1998		FY 1999	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST	UNIT COST	QTY TOTAL COST
COSI ELEMENIS	CODE	UNII COSI	TOTAL COST	UNII COSI	TOTAL COST	UNII COSI	TOTAL COST	UNII COSI	TOTAL COST
MGS (TOW) INSTALLATION	A				248				
MK 25 UBA ENH. KIT	A			1013	517 524				
Blank Firing Adapter	В			1376	247				
.50 CAL QCB	В					2500	322 806	2500	160 400
SESAMS	В							2400	160 384
SASR MODIFICATION	A	1028	106						
M240G FEED COVER	В							360	2455 884
м198 нурак	A					5200	188	5200	33
MK19 SAFETY FIX	В							500	1600
TOTAL COST			109		1112		1787		2637
BLI NR.	220900			P-1 SHOP ITEM NO. 6	PING LIST PAGE NO. 4				EXHIBIT P-5

	Pl	ROCUREMENT	HISTORY & PI	ANNING				DATE:		
APPROPRIATION/BUDGET	ACTIVITY:				P-1 ITEM NO	MENCLATURE:				
PROCUREMENT, MARINE C	CORPS/BUDGET ACTIVITY	-	2	_	MODIFICATION	N KITS (ARTI	LLERY & OTH	IER)		
									027232	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
FISCAL YEAR	LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL
MK 25 UBA ENH. KIT										
FY 97	CRC GULF COAST	FFP-O	NSWC	JAN97	FEB97	517	1013	YES	NO	N/A
BFA										
FY 97	TBD	FFP	MCSC	JUN97	NOV97	247	1376	NO	NO	N/A
.50 CAL QCB										
FY 98	TBD	M-FFP-01	MCSC	APR98	JUL98	322	2500	NO	NO	N/A
FY 99	TBD	M-FFP-02	MCSC	APR99	JUL99	160	2500	NO	NO	N/A
SESAMS						1.50	0.400			
FY 99	TBD	FFP	MCSC	JAN99	APR99	160	2400	NO	NO	N/A
SASR MODIFICATION										
FY 96	Barrett Mfg., Inc. Murphreesbourgh, TN		MCSC	AUG96	SEP96	106	1028	YES	NO	N/A
M240G FEED COVER										
FY 99	TBD	FFP	MCSC	DEC98	JAN99	2455	360	YES	NO	N/A
м198 нүрак										
FY 98	Rock Island Arsenal		ACALA	FEB98	MAY98	188	5200	YES	NO	N/A
FY 99	Rock Island Arsenal	FFP-01	ACALA	FEB99	MAY99	33	5200	YES	NO	N/A
MK19 SAFETY FIX										
FY 99	TBD	FFP	ACALA	JAN99	APR99	1600	500	NO	NO	N/A
DEMADEC.										

REMARKS:

BLI NR. 220900

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
6 - 5

MODIFICATION TITLE: MISSILE GUIDANCE SYSTEM (MGS) FOR TOW

MODELS OF SYSTEMS AFFECTED: TOW Missile System

DESCRIPTION/JUSTIFICATION: Upgrades the missile tracking software to provide enhanced targeting and reliability to the TOW missile system.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: Upgrade development has already been completed.

FINANCIAL PLAN: (\$ in Millions)

	FY 1 QTY	996 \$	FY 1 QTY	. <u>997</u> \$	FY 1 QTY	<u>\$</u>	<u>FY 1</u> QTY	<u>\$</u>	FY 2 QTY	<u>000</u> \$	FY 2 QTY	<u>\$</u>	FY 2 QTY	<u>002</u> \$	TO C	COMP \$	TC QTY	<u>TAL</u> \$
																	•	
RDT&E																	U	0.000
PROCUREMENT																	0	0.000
Kit Quantity																	0	
Installation Kits																		0.000
Install. Kits Nonrecurring																		0.000
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															6-6			

EXHIBIT P-3A INDIVIDUAL MODIFICATION

		<u>FY 1</u>	996	FY 1			998	FY 19	999	<u>FY 2</u>	000	<u>FY 2</u>	001	FY 2002		TO COMP		TOTAL	
	Ç	YTC	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	<u>QTY</u>	<u>\$</u>
INSTALLATION OF HARDWAY  (FY 1996) Equation (FY 1997) Equation (FY 1998) Equation (FY 1999) Equation (FY 2000) Equation (FY 2001) Equation (FY 2002) Equation (FY 2002) Equation (FY 2004) Equation (FY 200	pt (Kits) pt (1550 Kits) pt (Kits) pt (Kits) pt (Kits) pt (Kits) pt (Kits)	)		1550	0.248													0 0 1550 0 0 0 0	0.000 0.000 0.248 0.000 0.000 0.000 0.000 0.000
TOTAL INSTALLATION COST	Т	0	0.000	1550	0.248	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1550	0.248
TOTAL PROCUREMENT	COST		0.000		0.248		0.000		0.000		0.000		0.000		0.000		0.000		0.248
METHOD OF IMPLEMENTATION	ON DEPOT						ADMIN LE	AD-TIME:_	2_N	MONTHS				PROD	UCTION LE	AD-TIME:_	2	MONTHS	
CONTRACT DATES:	FY 1996				FY 1997 _	1	NOV96	F	'Y 1998 _										
DELIVERY DATES:	FY 1996				FY 1997 _		FEB97	F	'Y 1998 _										
INSTALLING SCHEDULE:	<u>FY 1996</u> 1 2 3 4		FY 19	<u>4</u>	FY 19		1	<u>FY 19</u>		ž	<u>FY 2</u> L 2 3		ž	<u>FY 2</u> 1 L 2 3		<u>FY 2</u> 1		<u>TC</u> _ 2 3	<u>) TAL</u> <u>4</u>
INPUT			387 387 38	389															

387 387 387 389

OUTPUT

6-7

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UNDERWATER BREATHING APPARATUS (UBA) MOD KIT

MODELS OF SYSTEMS AFFECTED: MK 25 MOD 2

DESCRIPTION/JUSTIFICATION: This modification to the MK 25 MOD 2 UBA standardizes the USMC UBA to the Navy configuration. This modification improves

safety and allows the diver additional underwater time, thereby improving the capability of accomplishing the mission.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: The Naval Sea Systems Command has developed and approved this item. No further development is required.

FINANCIAL PLAN: (\$ in Millions)

	FY 1 QTY	FY 1: QTY		<u>FY 1</u> QTY		FY 1 QTY		FY 20 QTY	۲.	FY 2 QTY	FY 2 QTY		TO C	۲.	<u>TC</u> QTY	<u>OTAL</u>
	QII	\$ QII	\$	QII	<u>\$</u>	QII	<u>\$</u>	QII	<b>支</b>	QII	\$ QII	<u>\$</u>	QII	호	QII	<u>\$</u>
RDT&E															0	0.000
PROCUREMENT															0	0.000
Kit Quantity		517													517	0.000
Installation Kits																0.000
Install. Kits Nonrecurring			0.524													0.524
Equipment																0.000
Equipment Nonrecurring																0.000
Engineering Change Orders																0.000
Data																0.000
Training Support																0.000
Support Equipment																0.000
Other																0.000
Interim Contractor Support																0.000
													6-8			
														EXHI	BIT P-3A	INDIVIDUAL MODIFIC

		FY	1996	FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2	002	TO C	OMP	TC	TAL
		QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>
INSTALLATION OF HARDWAI (FY 1996) Eq (FY 1997) Eq (FY 1998) Eq (FY 1999) Eq (FY 2000) Eq	pt (Kits pt (Kits pt (Kits pt (Kits	5) 5)																0 0 0 0 0	0.000 0.000 0.000 0.000 0.000
(FY 2001) Eq (FY 2002) Eq (TO COMP) Eq	pt (Kits pt (Kits	3)																0 0 0	0.000 0.000 0.000
TOTAL INSTALLATION COST	Т	(	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT (	COST		0.000	517	0.524		0.000		0.000		0.000		0.000		0.000		0.000	517	0.524
METHOD OF IMPLEMENTATION	ON ORGANIZA	ATIONAL	i				ADMIN L	EAD-TIME:_	1	MONTHS				PROD	UCTION LE	EAD-TIME:	1_	MONTHS	
CONTRACT DATES:	FY 1996_			_ 1	FY 1997		JAN97	E	FY 1998										
DELIVERY DATES:	FY 1996_			_	FY 1997	1	FEB97	_	FY 1998 <sub>-</sub>										
INSTALLING SCHEDULE:	FY 1996 1 2 3		FY 1997 1 2 3		FY 1998 1 2 3		FY 1999 1 2 3	<u>4</u> <u>1</u>	<u>FY 2</u> L 2 3		FY 2001 1 2 3		FY 2002 1 2 3	<u>4</u>	TOT 1 2 3				

OUTPUT

6-9

MODIFICATION TITLE: M198 HYDRAULIC POWER ASSIST KIT(HYPAK)

MODELS OF SYSTEMS AFFECTED: M198 Howitzer

DESCRIPTION/JUSTIFICATION: Provides a hydraulic method for raising and lowering the wheels

of the Howitzer. This kit will make it up to 3 times faster than current

manual emplacement/deplacement method.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: The U.S. Army at Rock Island has already developed this modification

and is currently applying this modification to its Howitzers.

FINANCIAL PLAN: (\$ in Millions)

	FY 1 QTY	996 <u>\$</u>	FY 19 QTY	997 \$	FY 19 QTY	998 \$	FY 19 QTY	999 \$	FY 2 QTY	<u>000</u> \$	FY 2 QTY	<u>\$</u>	FY 2 QTY	<u>002</u> \$	TO (	COMP \$	<u>T(</u> QTY	OTAL \$
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity					188		33										221	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring						0.981		0.169										1.150
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															6-10			
																EXHI	BIT P-3A	INDIVIDUAL

		FY	1996	FY 1997		<u>FY 1998</u>		FY 1999		FY 2000		FY 2001		FY 2	002	TO C	<u>OMP</u>	TO	TAL
		QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	<u>QTY</u>	<u>\$</u>	QTY	<u>\$</u>
INSTALLATION OF HARDWA	유료																	0	0.000
(FY 1996) Eq		ı																0	0.000
(FY 1997) Eq																		0	0.000
(FY 1998) Eq																		0	0.000
(FY 1999) Eq																		0	0.000
(FY 2000) Eq																		0	0.000
(FY 2001) Eq		1																0	0.000
(FY 2002) Eq		1																0	0.000
(TO COMP) Eq	pt (Kits)	1																0	0.000
TOTAL INSTALLATION COS	Т	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT	COST		0.000		0.000	188	0.981	33	0.169		0.000		0.000		0.000		0.000	221	1.150
METHOD OF IMPLEMENTATION	ON ORGANIZAT	CIONAL					ADMIN L	EAD-TIME:_	5_	MONTHS				PROD	UCTION LE	EAD-TIME:_	2	MONTHS	
CONTRACT DATES:	FY 1996			_	FY 1997			_	Y 1998	FEB 98									
DELIVERY DATES:	FY 1996			_	FY 1997			_ I	Y 1998 .	MAY 98									
INSTALLING SCHEDULE:	FY 1996		FY 1997		FY 1998		FY 1999		FY 2	2000	FY 2001		FY 2002		TOT	<u>'AL</u>			
	1 2 3	4	1 2 3	4	1 2 3	4	1 2 3	4 1	_ 2 3	4	1 2 3	<u>4</u>	1 2 3 4	<u>1</u>	L 2 3	4			
INPUT																			

OUTPUT

6-11

MODIFICATION TITLE: MK19 SAFETY FIX

MODELS OF SYSTEMS AFFECTED: MK19

DESCRIPTION/JUSTIFICATION: Currently the U.S. Army is conducting an investigation to determine

the best long term fix to the MK 19 safety issues. The short term fix is currently in place. This line is set aside for the procurement

of the safety modification kit once the Army determines the best method to pursue.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: The U.S. Army is currently working on the development of a long term fix

to the problem.

FINANCIAL PLAN: (\$ in Millions)

	<u>FY 1</u>	.996	<u>FY 1</u>	.997	<u>FY 1</u>	.998	FY 19	999	<u>FY 2</u>	000	<u>FY 2</u>	001	<u>FY 2</u>	002	TO	COMP	TC	TAL
	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity							1600										1600	0.000
Installation Kits																		0.000
Install. Kits Nonrecurring								0.800										0.800
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															6-12			
																EXHI	BIT P-3A	INDIVIDUAL

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2	2002 TO	COMP	<u>TO</u>	TAL
	QTY \$	QTY \$	<u>QTY</u> \$	QTY	<u>\$</u> <u>QTY</u>	\$ QTY	\$ QTY	\$ QTY	\$	QTY	<u>\$</u>
INSTALLATION OF HARDWARE  (FY -2) Eqpt ( Kits  (FY -1) Eqpt ( Kits  (FY 0) Eqpt ( Kits  (FY 1) Eqpt ( Kits  (FY 2) Eqpt ( Kits  (FY 3) Eqpt ( Kits  (FY 4) Eqpt ( Kits  (TO COMP) Eqpt ( Kits	5) 5) 5) 5) 5)									0 0 0 0 0 0 0	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000
TOTAL INSTALLATION COST	0 0.0	00 0.	0 0 0.0	000 0	0.000 0	0.000 0	0.000 0	0.000 0	0.000	0	0.000
TOTAL PROCUREMENT COST	0.0	00 0.	0.0	000 1600	0.800	0.000	0.000	0.000	0.000	1600	0.800
METHOD OF IMPLEMENTATION ORGANIZA	ATIONAL		ADMI	IN LEAD-TIME:	4_MONTHS		PROD	DUCTION LEAD-TIME	:2	MONTHS	
CONTRACT DATES: FY96 _		FY 97		FY	98						
DELIVERY DATES: FY96 _		FY 97		FY	98						
INSTALLING SCHEDULE: FY 1 1 2 3 INPUT				FY 1999 3 4 1	FY 2000 2 3 4 1	FY 2001 2 3 4 1	FY 2002 2 3 4	TO 1 2 3	COMP 4		

6-13

EXHIBIT P-3A INDIVIDUAL MODIFICATION

OUTPUT

MODIFICATION TITLE: M240G FEED TRAY COVER IMPROVEMENT

MODELS OF SYSTEMS AFFECTED: 240

240 Machine Gun

DESCRIPTION/JUSTIFICATION: Enhances the current feed tray cover by including the Picatinney Rail System which is used to attach

ancillary optical support equipment.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: This item has already been accepted and tested by the Army and is currently being catalogued.

This is an NDI item.

FINANCIAL PLAN: (\$ in Millions)

	FY 96 <u>QTY</u>	\$ FY 97 QTY	\$ FY 98 QTY	<u>\$</u>	FY 99 <u>QTY</u>	\$	FY 00 QTY	<u>\$</u>	FY 01 QTY	\$ FY 02 QTY	\$ TO (	COMP \$	<u>T(</u> QTY	<u>\$</u>
RDT&E													0	0.000
PROCUREMENT  Kit Quantity Installation Kits Install. Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Support Support Equipment Other Interim Contractor Support	S				2455	0.88	4						0 2455	0.000 0.000 0.884 0.000 0.000 0.000 0.000 0.000 0.000 0.000
incerim concractor Suppor	LL										6-14			0.000

	FY 96	5		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		<u>TO C</u>	OMP	<u>TC</u>	TAL
	TQ	<u>Y</u> :	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWA	RE																	0	0.000
(FY -2) Eqpt	( Kits)																	0	0.000
(FY -1) Eqpt	( Kits)																	0	0.000
(FY 0) Eqpt	( Kits)																	0	0.000
(FY 1) Eqpt	( Kits)																	0	0.000
(FY 2) Eqpt	( Kits)																	0	0.000
(FY 3) Eqpt	( Kits)																	0	0.000
(FY 4) Eqpt	( Kits)																	0	0.000
(TO COMP) Eq	pt (Kits)																	0	0.000
TOTAL INSTALLATION COS	Т	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT	COST		0.000		0.000		0.000	2455	0.884		0.000		0.000		0.000		0.000	2455	0.884
METHOD OF IMPLEMENTATI	ON <u>ORGANIZATIO</u>	NAL			-		ADMIN LE	EAD-TIME:_	3	MONTHS				PROI	DUCTION LE	AD-TIME:	1	MONTHS	
CONTRACT DATES:	FY 96				FY 97			F	TY 98										
DELIVERY DATES:	FY 96				FY 97			F	TY 98										
INSTALLING SCHEDULE:	FY96	F	Y 97		FY98		FY 99		FY	<u>00</u> <u>1</u>	FY01	,	FY02		TOT	<u>AL</u>			
	1 2 3 4		2 3		1 2 3		1 2 3	4 1	2 3		1 2 3		1 2 3	4	1 2 3				
INPUT																			

OUTPUT

6-15

MODIFICATION TITLE: SPECIAL EFFECTS SMALL ARMS MARKING SYSTEM (SESAMS) TRAINING UPGRADE

MODELS OF SYSTEMS AFFECTED: Small Arms Systems

DESCRIPTION/JUSTIFICATION: This system provides a modification to Marine Corps small arms systems in order to allow

them to accept the special effects marking ammunition. This system provides more realistic training by

allowing Marines to actually shoot each other without hurting each other; thus providing a better

indication of small arms effectiveness of the Marine.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES: This is an NDI item for which several manufacturer's systems will be tested and then down selected.

FINANCIAL PLAN: (\$ in Millions)

	FY 96 QTY	\$ FY97 <u>QTY</u>	<u>\$</u>	FY 98 QTY	\$ FY 99 QTY	\$	FY 00 QTY	\$ FY 01 QTY	\$ FY 02 QTY	<u>\$</u>	TO O	COMP \$	<u>T(</u> QTY	OTAL \$
RDT&E													0	0.000
PROCUREMENT													0	0.000
Kit Quantity					160	0.384							160	0.384
Installation Kits														0.000
Install. Kits Nonrecurrin	ng													0.000
Equipment														0.000
Equipment Nonrecurring														0.000
Engineering Change Orders	S													0.000
Data														0.000
Training Support														0.000
Support Equipment														0.000
Other														0.000
Interim Contractor Suppor	rt													0.000
											6-16			

		FY 96	<u>-</u>	FY9	<u> 17</u>	FY9	8	<u>FY9</u>	9	<u>FY0</u>	0	<u>FY0</u>	<u>1</u>	FY0	2	TO CO	<u>OMP</u>	TO	<u> </u>
	QTY		\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$
TNOWN LAWTON OF HARRYAND																		0	0.000
INSTALLATION OF HARDWARE	'																	0	0.000
<del></del>	Kits)																	0	0.000
	Kits)																	0	0.000
<del>_</del>	Kits)																	0	0.000
<del>-</del>	Kits)																	0	0.000
	Kits)																	0	0.000
	Kits)																	0	0.000
<del>_</del>	Kits)																	0	0.000
(TO COMP) Eqpt (	Kits)																	0	0.000
TOTAL INSTALLATION COST		0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST			0.000		0.000		0.000	160	0.384		0.000		0.000		0.000		0.000	160	0.384
METHOD OF IMPLEMENTATION ORGA	ANIZATIONA	L						ADMIN LEA	AD-TIME:_	4_N	IONTHS			PROD	UCTION LEA	AD-TIME:_	2	MONTHS	
CONTRACT DATES: FY 9	96			F	ry 97 _			F	Y 98 _										
DELIVERY DATES: FY 9	96			F	Y 97 _			F	Y 98 _										
	96 2 3 4	1_	FY 9 2 3 4		<u>FY9</u>		<u>FY</u> L 2 3		<u>FY (</u> 2 3 4		<u>FY (</u>		FY 0:	<u>2</u> <u>1</u>	<u>TOT</u> . 2 3 4				

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

6-17

MODIFICATION TITLE: SPECIAL APPLICATION SCOPED RIFLE (SASR) MODIFICATION

MODELS OF SYSTEMS AFFECTED: Small Arms Systems

DESCRIPTION/JUSTIFICATION: Provides a safety modification to the bolt and the chamber to increase reliability.

DEVELOPMENTAL STATUS/ The manufacturer has designed this modification himself and it is already in use by the

MAJOR DEVELOPMENT MILESTONES: U.S. Air Force and the U.S. Army.

#### FINANCIAL PLAN: (\$ in Millions)

	FY S	96	<u>FY</u>	97	FY	98	<u>FY</u>	99	<u>FY</u>	00	<u>FY</u>	01	FY	02	TO	COMP	TO	OTAL
	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>	QTY	\$
RDT&E																	0	0.000
PROCUREMENT	106																0	0.000
Kit Quantity Installation Kits	106																106	0.000
Install. Kits Nonrecurring		0.109																0.109
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders Data																		0.000 0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															6-18			

	<u>FY</u>	96	FY 9	<u> </u>	FY	98	<u>FY</u>	99	FY	00	<u>FY</u>	<u>01</u>	FY(	<u>)2</u>	TO CO	<u> PMC</u>	TO	$\overline{ ext{TAL}}$
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE  (FY -2) Eqpt ( Kit  (FY -1) Eqpt ( Kit  (FY 0) Eqpt ( Kit	.s)																0 0 0	0.000 0.000 0.000
(FY 1) Eqpt ( Kit (FY 2) Eqpt ( Kit (FY 3) Eqpt ( Kit (FY 4) Eqpt ( Kit (TO COMP) Eqpt ( Kit	.s) .s)																0 0 0 0	0.000 0.000 0.000 0.000 0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST	106	0.109		0.000		0.000		0.000		0.000		0.000		0.000		0.000	106	0.109
METHOD OF IMPLEMENTATION MANUFAC	TURER						ADMIN LE	EAD-TIME:_	10_I	MONTHS			PROD	UCTION LE	CAD-TIME:_	1_	MONTHS	
CONTRACT DATES: FY 96		AUG96	F	Y 97 _				FY 98 _										
DELIVERY DATES: FY 96		SEP96	F	Y 97 _				FY 98 _										
	7 96 3 4	FY 9		<u>FY</u> 2 3		<u>FY</u> 1 2 3		FY (		FY (		FY 0 L 2 3 4		<u>TOT.</u>				

INPUT

OUTPUT

6-19

MODIFICATION TITLE: BLANK FIRING ADAPTER FOR UPGUN WEAPONS STATION ON THE AAV

MODELS OF SYSTEMS AFFECTED: .50 Caliber Machine Gun used on the AAV

DESCRIPTION/JUSTIFICATION: Currently the AAV does not have an operational BFA. This system provides a BFA

so that the AAV can fire blank training ammunition from its .50 cal

machine gun.

DEVELOPMENTAL STATUS/
MAJOR DEVELOPMENT MILESTONES:

Currently under testing and development by the Amphibious Vechicle Test Branch.

FINANCIAL PLAN: (\$ in Millions)

	FY 9	96	FY :	<u>97</u>	FY	98	FY	99	FY	00	FY	01	FY	02	TO	COMP	<u>T</u> (	<u>OTAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>	QTY	\$	QTY	\$	QTY	\$	QTY	<u>\$</u>
RDT&E																	0	0.000
PROCUREMENT																	0	0.000
Kit Quantity			247	0.340													247	0.340
Installation Kits																		0.000
Install. Kits Nonrecurring																		0.000
Equipment																		0.000
Equipment Nonrecurring																		0.000
Engineering Change Orders																		0.000
Data																		0.000
Training Support																		0.000
Support Equipment																		0.000
Other																		0.000
Interim Contractor Support																		0.000
															6-20	)		

	<u>FY</u>	<u> 796</u>	FY	<u>97</u>	<u>FY</u>	<u>98</u>	FY .	<u>99</u>	FY	<u>00</u>	$\underline{FY}$	<u>01</u>	<u>FY</u>	<u>02</u>	TO CO	<u>OMP</u>	TC	<u>TAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
INSTALLATION OF HARDWARE																		
(FY -2) Eqpt ( Kit	cs)																0	0.000
(FY -1) Eqpt ( Kit	cs)																0	0.000
(FY 0) Eqpt ( Kit	cs)																0	0.000
(FY 1) Eqpt (Kit																	0	0.000
(FY 2) Eqpt ( Kit																	0	0.000
(FY 3) Eqpt ( Kit																	0	0.000
(FY 4) Eqpt ( Kit																	0	0.000
(TO COMP) Eqpt ( Kit	cs)																0	0.000
TOTAL INSTALLATION COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
TOTAL PROCUREMENT COST		0.000	247	0.340		0.000		0.000		0.000		0.000		0.000		0.000	247	0.340
METHOD OF IMPLEMENTATION ORGANIZ	ZATIONAL						ADMIN LE	AD-TIME:_	4_N	MONTHS			PROD	UCTION LE	AD-TIME:_	5_	MONTHS	
CONTRACT DATES: FY 96			]	FY 97 _		JUN97	E	TY 98 _										
DELIVERY DATES: FY 96			1	FY 97 _		NOV97	F	TY 98 _										
<u>F</u> '	Y 96	FY	<u>97</u>	FY	<u>98</u>	FY	99	<u>FY (</u>	<u>00</u>		<u>FY01</u>			FY	<u>02</u>		TC	$\overline{ ext{TAL}}$
INSTALLING SCHEDULE: 1 2 :	<u>3 4</u>	1 2 3	<u>4</u>	1 2 3	<u>4</u>	1 2 3	<u>4</u> <u>1</u>	2 3 4	<u>4</u>		1 2 3	<u>1</u>	=	1 2 3	<u>4</u>	<u>1</u>	2 3	<u>4</u>

OUTPUT

INPUT

MODIFICATION TITLE: QUICK CHANGE BARREL FOR THE M2 .50 CAL

MODELS OF SYSTEMS AFFECTED: M2 .50 Caliber Machine Gun

DESCRIPTION/JUSTIFICATION: Provides a barrel for the M2 .50 caliber machine gun which eliminates the requirement

to perform headspace and timing operations each time the barrel is changed. This modification

also provides the M2 with a front sight and a safety.

DEVELOPMENTAL STATUS/ These items are NDI and are in used in other NATO countries. Currently there are

MAJOR DEVELOPMENT MILESTONES: 3 manufacturers who make this item of which one will have to be chosen.

FINANCIAL PLAN: (\$ in Millions)

	FY96	<u>6</u>	<u>FY9</u>	FY98		FY S		FY(	<u>FY</u>		FY		TO C			TAL
	QTY	<u>\$</u>	QTY	\$ QTY	\$	QTY	\$	QTY	\$ QTY	<u>\$</u>	QTY	<u>\$</u>	QTY	\$	QTY	<u>\$</u>
RDT&E															0	0.000
PROCUREMENT															0	0.000
Kit Quantity				322		160									482	
Installation Kits																0.000
Install. Kits Nonrecurring					0.806		0.400									1.206
Equipment																0.000
Equipment Nonrecurring																0.000
Engineering Change Orders																0.000
Data																0.000
Training Support																0.000
Support Equipment																0.000
Other																0.000
Interim Contractor Support																0.000
													6-22			
														EXHI	BIT P-3A	INDIVIDUAL MOD

	FY 1996 FY 1997 FY 199 QTY \$ QTY \$	8 FY 1999 FY 2000 FY 20 QTY \$ QTY \$ QTY		TOTAL QTY \$				
INSTALLATION OF HARDWAR	F.			0	0.000			
(FY -2) Eqpt	( Kits)			0	0.000			
(FY -1) Eqpt	( Kits)			0	0.000			
(FY 0) Eqpt	( Kits)			0	0.000			
(FY 1) Eqpt	( Kits)			0	0.000			
(FY 2) Eqpt	( Kits)			0	0.000			
(FY 3) Eqpt	( Kits)			0	0.000			
(FY 4) Eqpt	( Kits)			0	0.000			
(TO COMP) Eqp				0	0.000			
· · · · · ·				0	0.000			
TOTAL INSTALLATION COST	0 0.000 0 0.000 0 0.00	0.000 0.000 0.00 <b>0</b> 0.	000 0 0.000 0 0.000	0	0.000			
TOTAL PROCUREMENT CO	OST 0 0.000 0 0.000 322 0.	801660 0.400 0.000 0.0	0.000 0.000	482	1.206			
METHOD OF IMPLEMENTATION	N ORGANIZATIONAL	ADMI	N LEAD-TIME: 3 MONTHS			PRODUCTION	LEAD-TIME:	3 MONTHS
CONTRACT DATES:	FY 1996	FY 1997	FY 1998	APR98				
DELIVERY DATES:	FY 1996	FY 1997	FY 1998	JUL98				
INSTALLING SCHEDULE:	FY 1996       FY 1997         1 2 3 4       1 2 3 4	<u>FY 1998</u> 1 2 3 4	<u>FY 1999</u> 1 2 3 4	FY 20 1 2 3 4		FY 2001 1 2 3 4	<u>FY 2002</u> 1 2 3 4	TOTAL 1 2 3 4

6-23

EXHIBIT P-3A INDIVIDUAL MODIFICATION

INPUT

OUTPUT

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BUDGET ACTIVITY: PR	UCURE			TINE							700	2 BAL	pro-					IENCL.	ATURE:	MOI	) I F I C	41 TO	M KTJ				& OTH								RCN		027232 AL YEAR			99							
		S			<u>F</u>	PROGRAN	1 QUAI	N.T.T.T.X				DUE						אַ יִּדְעַרַ כ	D •		0.7			F .	LSCAL	YEA.			D VE	7 D •			0.0			FISCA	AL YEAR								0.0		
ITEM AND MANUFACTURE	, די די די די			.v.	Ev	EV		ry	E-27			AS OF		<i>5</i> 0		CALI	אאטאי	\ rEA			97						CAI	LENDA	K YEA	AK.	1	1	98						1	HUENL	AK Y	ZEAR:	—		99		
TIEM AND MANOFACTURE	ik   U/	V												NOV	DEC	JAN	FEB	MAR	APR MA	y Ju	n Jui	L	JG SEI	POC	T NO	V DE	C JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Z J₽	AN FE	в	AR AP!	R MA	Y JUI	JUL.	AUG	SEP
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C 25 UBA ENH. KIT OSTAL SEA SYSTEMS	KT	МС	C		5 1 7						0	5 1 7				A	43	43	43 43	43	43	43	3 43	43	43	43	44																				
"A	EA	MC	C		2 4						0	2 4								A					20	20	20	20	20	21	21	21	21	21	21	21											
					7							7										_																	4		_	_	4				
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								1 6 0			0	1 6 0																														A			13	13	13 1:
ESAMS BD	KT	MO	C					1 6 0				3																											A	A		13	13	13	13	13	13 8
ASR MODIFICATION ARRETT MFG. INC.	KT	МС		1 0 6							2 0	8	20	20	20	20	6																														
240G FFED COVER BD	EA	МС	С					2 4 5 5			0	2 4 5 5																										А	20-	4 204	1 20	4 204	ł 20·	4 205	205 2	205 2	205
198 HYPAK OCK ISLAND ARSENAL	KT	MO	C			1 8 8					0	1 8 8																A			16	16	16	16	16	16	16	16	15	5 15	15	5 15					
_								3			0	3																												A			15	15	3		
K19 SAFETY FIX BD	KT	МС	C					1 6 0			0	1 6 0																											A	A		133	3 13	3 133	133 1	.33	133
	JL.	ı							SHEET	J	OF		ОСТ	NOV	DEC	JAN	FEB	MAR	APR MA	y Ju	N JUI	AU	JG SE	P OC	T NO	V DE	CJAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	C JA	AN FE	ВМ	AR API	R MA	TUL Y	JUL .	AUG	

	PRO	DUCTION RA	ATES	REACHED	PROC	UREMENT 1	LEAD TIME			REMARKS:
MANUFACTURER'S NAME & LOCATION	MIN SUST	1-8-5	MAXIMUM	D+		ADMIN L	EAD TIME			
								MANU-	TOTAL	
VARIOUS AND TO BE DETERMINED						PRIOR	AFTER	FACTURING	AFTER	
						1 OCT	1 0CT	TIME	1 OCT	
					INITIAL					
					REORDER (Previous Source)					
BLI NR. 220900					P-1 SHOPPING LIST					EXHI

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ITEM NO. PAGE NO.
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BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACT										DATE:	Ü.
		2			ATURE: MODIF	FICATION KITS				RCN: 027232	
S PROGRAM QUANT	ITY AC	CC BAL F	FISCAL YEAR:	0.0			FISCAL YEAR	R: 01		FISCAL YEAR:	02 L
E	PRI	IOR DUE C	CY: 99	CALENDAR YEA	R:	00		CALENDAR YEA	AR: 01		CALENDAR YEAR: 02 A
ITEM AND MANUFACTURER U/M R FY FY FY FY	1 0		CT NOV DEC	JAN FEB MAR	APR MAY JUN	JUL AUG SEP	OCT NOV DEG	C JAN FEB MAR	APR MAY JUN JUL	AUG SEP OCT NOV DE	C JAN FEB MAR APR MAY JUN JUL AUG SEP E
96 97 98 99	00 01										R
CB EA MC	1 3 1 9	3 2	3 13 13	13 13 13	13 13 17						
SESAMS KT MC	1 7 6 8		3 13 14	14 14 14							
1240G FEED COVER EA MC			05 205 205								
IK19 SAFETY FIX KT MC	0 9	7 8 13 9 0 8 2	33 133 134 1	134 134 134							
	SHEET O	OF OC	CT NOV DEC	JAN FEB MAR	APR MAY JUN	JUL AUG SEP	OCT NOV DE	C JAN FEB MAR	APR MAY JUN JUL	AUG SEP OCT NOV DE	C JAN FEB MAR APR MAY JUN JUL AUG SEP

TBD

PRODUCTION RATES REACHE
MIN SUST 1-8-5 MAXIMUM D+

REACHED

PROCUREMENT LEAD TIME ADMIN LEAD TIME TOTAL AFTER 1 OCT MANU-FACTURING PRIOR AFTER 1 OCT TIME INITIAL

REMARKS:

REORDER (Previous Source)

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BLI NR. 220900

MANUFACTURER'S NAME & LOCATION

	BU	DGET ITEM JUSTIFIC	CATION SHEET			DATE		
APPROPRIATION/BUDG	ET ACTIVITY:			P-1 ITEM NOMEN	CLATURE:			
PROCUREMENT, MARIN	E CORPS/BUDGET	ACTIVITY	2		ITEMS LESS THAN	\$2 MILLION	(ALL OTHER) RCN:	029502
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	
COST (IN MILLIONS)	\$ 2.0	\$ 0.1 \$	0.8 \$	0.1 \$	0.1 \$	0.1	\$ 0.1	\$ 0.
THIS IS A ROLL UP	LINE WHICH CONT	TAINS ITEMS THAT A	RE UNDER \$2 M					

MUZZLE VELOCITY SYSTEM (MVS):

SHOOTING MATCHES.

FUNDS ARE IN SUPPORT OF THE MVS FIELDING EFFORT.

CLOSE QUARTERS BATTLE WEAPON (CQBW):

THIS FUNDING PROFILE INCLUDES PROCUREMENT OF THE M4A1 CARBINE AND RAIL INTERFACE SYSTEM WHICH MAKE UP THE CLOSE QUARTERS BATTLE WEAPON.

THESE ITEMS ARE REQUIRED TO SUPPORT THE MARINE CORPS SHOOTING TEAMS AUTHORIZED TO COMPETE WITH OTHER SERVICES IN COMPETITIVE

LAV-AD:

FUNDING IS PROVIDED FOR ENGINEERING CHANGE ORDERS AND PRODUCTION SUPPORT FOR THE LAV-AD.

M1A1 TANK:

FUNDING IS PROVIDED TO PROCURE THE HALON RECOVERY/RECHARGING SYSTEM FOR THE M1A1 MAIN BATTLE TANK.

THE M1A1 MAIN BATTLE TANK WILL HAVE THE REQUIRED EQUIPMENT TO RECOVER UNUSED HALON 1301 FROM FIRE SUPRESSION SYSTEMS AND RECHARGE THE HALON AND NITROGEN TO ENSURE FIRE SUPPRESSION AND COMBAT READINESS.

BLI NR. 221000

P-1 SHOPPING LIST

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION ACTIVITY TITLE PROCUREMENT, M. BUDGET ACTIVIT	/NO: ARINE CORPS		DDEL/SERIES/PO HAN \$2 MILLION				E D. DATE
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
RIFLE TEAM EQUIPMENT									
MISC. NEW WEAPONS									
AND EQUIPMENT	А		118		122		96		107
MUZZLE VELOCITY SYSTEM	A		165						
M4A1						587			
COLT FIREARMS	N / A						352		
RAIL INTERFACE SYSTEM	N / A					603	600		
KNIGHT ARMAMENT							362		
ENGINEERING CHANGE ORDERS AND PRODUCTION SUPPORT FOR LAV AIR DEFENSE			1580						
HALON RECOVERY/RECHARGING SYSTEM FOR M1A1 TANK			99						
TOTAL COST			1962		122		810		107
BLI NR.	221000			ITEM NO.	PING LIST PAGE NO 2				EXHIBIT P-5

						DATE		
APPROPRIATION/BUDGE	ET ACTIVITY:			P-1 ITEM NOME	INCLATURE:			
PROCUREMENT, MARINE	E CORPS/BUDGET A	CTIVITY	2		MARINE ENHANCEM	ENT PROGRAM		
							RCN:	142596
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (IN MILLIONS)	0.0 \$	7.7 \$	1.5	2.1	\$ 1.8 \$	11.3	\$ 11.6	\$ 1.8

The Marine Enhancement Program (MEP) is a Congressionally initiated program started in FY 90 which provides for low visibility, low cost items. It focuses on the equipment which will benefit the individual Marine by reducing the load, increasing survivability, enhancing safety and improving combat effectiveness. The emphasis of this program is on non-developmental (NDI) and commercially available items which can be quickly evaluated and fielded. This program is coordinated with the Army's Soldier Enhancement Program and the Special Operations Command.

The programs funded in this line include the following:

Medium Machine Gun Tripod Lightweight (MMGT, LW). A lightweight replacement for the M123 steel tripod and traversing and elevation (T&E) that have been in use since the days of the .30 caliber machine gun. Designed to lighten the load of the machine gun team by reducing the weight of the tripod and T&E mechanism by more than half.

This item is "Code B"

Acquisition Objective (AO): 5200 FY 97: 5200 = 100% AO

Heavy Machine Gun Tripod, Lightweight (HMGT, LW). A lightweight tripod to replace the M3 HMG tripod currently used by the M2 .50 caliber Heavy Machine Gun and the Mk 19 Grenade Machine Gun (GMG). Designed to lighten the load for the individual Marine by decreasing the weight at least 28 lbs. Includes improving the Machine Gun Traverse & Elevation (T&E) mechanism. Will decrease gunner/crew response time and add service life by 20000 to 25000 rounds. The lighter tripod also enhances employment of the M2 and the Mk 19.

This item is "Code B"

Acquisition Objective (AO): 6088 for entire Marine Corps; AO for MEP (Infantry Only) is 1406

FY 98: 703 = 50 % MEP AO FY 99: 1406 = 100 % MEP AO

MK 93 Dual Mount. Improved mounting system for both the M2 .50 caliber Heavy Machine Gun (HMG) and the MK19 Grenade Machine Gun (GMG).
Will enhance the capabilities of the HMG platoon by giving them greater flexibility, accuracy, and lethality on the
battlefield. Designed to attenuate recoil, improve accuracy, decrease gunner/crew response time, reduce logistical burden, and
provide ammunition savings. Replaces the Mk64 cradle currently used to mount the M2 HMG and the Mk19 GMG.

This item is "Code A"

Acquisition Objective (AO): 6088 for entire Marine Corps; AO for MEP (Infantry Only) is 1406

FY 96 1406 = 100 % of MEP AO

BLI NR. 221100

P-1 SHOPPING LIST
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BUDGET ITEM JUSTIFICATION SHEET	DATE
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY2	MARINE ENHANCEMENT PROGRAM
	RCN: 142596

Designated Marksman Rifle (DMR). Precision, semiautomatic, 7.62mm NATO weapon system (rifle, ammunition, sight mount, and optical device), that will compliment the capabilities of the M40A1 Sniper Rifle (same caliber) better then the current M16A2. Designed to extend the range capabilities, add flexibility, and enhance survivability of Designated Marksmen of the Fleet Antiterrorist Security Teams (FAST) of the Security Battalion, military police Special Response Teams (SRT), and the second sniper in the Marine Corps two man Scout Sniper Team.

This item is "Code B"
Acquisition Objective (AO): 588
FY 97 547 = 85.6 % AO

FY 98 588 = 100 %

Joint Service Combat Shotgun. 12 gauge, semiautomatic, compact, lightweight weapon. It will be configured with low light level rifle-type sights and a surface which will mount current and developmental day and night sighting devices. Will provide a common weapon for all the services that will enhance the individual's combat effectiveness for use in the execution of special operations and security missions; substantial improvements in performance over existing shotguns in the area of supply, maintenance, and training support standardization; and increased levels of reliability and shooter confidence.

This item is "Code B"
Acquisition Objective (AO): 4815
FY 98 913 = 19.0 % AO
FY 99 - 01 4815 = 100 % AO

Divers Propulsion Device (DPD). Compliments the already fielded Underwater Breathing Apparatus (UBA). The DPD pulls a Recon Diver under the water for distances of up to 10,000 meters in order to clandestinely insert a team on the beach. The DPD greatly enhances a Marine divers survivability by reducing the risk of detection by the enemy, increases the safety of the Diver by reducing fatigue and the possibility of fatal oxygen toxicity incidences.

This item is "Code A"
Acquisition Objective (AO): 126
FY 97 126 = 100 % AO

BLI NR. 221100

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATI ACTIVITY TITLE	/NO:	B. WEAPON M				C. MANUFACTU		D. DATE
		PROCUREMENT, M BUDGET ACTIVIT		MARINE ENHAN	CEMENT F	PROGRAM	(MEP)	LOCATION		
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997		ГҮ	FY 1998	QTY	FY 1999	QTY
II .	CODE		TOTAL COST			COST		TOTAL COST		
COST ELEMENTS		UNIT COST	TOTAL COST	UNIT COST		1 COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
MEDIUM MACHINE GUN TRIPOD LIGHTWEIGHT	B			797	5200	4147				
HEAVY MACH. GUN TRIPOD, LIGHTWEIGHT	В						971	703 683	971	703 683
DESIGNATED MARKSMANSHIP RIFLE	В			2190	547	1198	2190	90		
SHOTGUN	В						810	913 740	810	1766 1431
DIVERS' PROPULSION DEVICE	A			18547	126	2337				
TOTAL COST			0			7682		1513		2114
	221100		-	P-1 SHOP	PPING LI					EXHIBIT P-5

ITEM NO. PAGE NO.

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APPROPRIATION/BUDGET	ACTIVITY:				P-1 ITEM NOM	MENCLATURE:				
PROCUREMENT, MARINE C	CORPS/BUDGET ACTIV	ITY	2		MARINE ENHAN	ICEMENT PROG	GRAM			
				_				RCN:	142596	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
FISCAL YEAR	LOCATION	AND TYPE	ВУ	DATE	DELIVERY	QTY	COST	NOM	RQRD	AVAIL
MED MACII CIIN TRIDOD	TW									
MED.MACH.GUN TRIPOD,		nn n	ATTACK CDANT	7.0007	TIII 0.7	F 2 0 0	707	3.7		NT / 7
FY 97	TBD	FFP	NWSC, CRANE	APR9 /	JUL97	5200	797	Y	N	N/A
H.MACH GUN TRIPOD, LW	√									
FY 98	TBD	FFP	NWSC, CRANE	FEB 98	JUN 98	703	971	Y	N	N/A
FY 99	TBD	FFP-01	NWSC, CRANE	FEB 99	JUN 99	703	971	Y	N	N/A
D. MARKSMANSHIP RIFLE										
FY 97	TBD	FFP	MCSC	JUL 97	OCT 97	547	2190	N	N	N/A
FY 98	TBD	FFP-01		JUL 98	OCT 98	41	2190	II	N	N/A
SHOTGUN										
FY 98	TBD	FFP	MCSC	DEC97	MAR98	913	810	N	N	N/A
FY 99	TBD	FFP-01		DEC98	MAR99	1766	810	II	N	N/A
DIVERS' PROPULSION DE	77.7									
FY 97	CRC GULF COAST	FFP	NSWC	JAN97	FEB97	126	18547	v	N	N/A
	PANAMA CITY, FL	L'E	INDIAN HEAD	II .	L ED)	120	10347			N/A
	PANAMA CIII, FL		INDIAN HEAL	, MD						
REMARKS:										

PROCUREMENT HISTORY & PLANNING

BLI NR. 221100

P-1 SHOPPING LIST
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EXHIBIT P-5A

DATE:

	"CODE B" ITEM	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:	:		P-1 ITEM NOM	ENCLATURE:	MEDIUM MACHIN	NE GUN TRIPOD,	LIGHTWEIGHT
PROCUREMENT, MARINE CORPS/BUDG	GET ACTIVITY	2		MARINE ENHANCEMENT		•	
,				_		RCN:	142596
1. CURRENT DEVELOPMENT AND	TEST STATUS				SCHEDULE DATE		
			CURRENT	LAST REPORTED		REASON FOR DE	LAY
a. Developmental Test & Evalı	uation (DT&E)	Plan/Actual	1/97	4/95			
b. Initial Operational Test &	Evaluation (IOT&E)	Plan/Actual			REDESIGN TO 1	INCREASE	
c. Operational Test & Evaluat	tion (OT&E)	Plan/Actual	3/97	1/97	PERFORMANCE		
d. Available Date of Technica	al Data Package (TDP	) Plan/Actual	3/97	2/97			
or Performance Specific	cations						
2. ESTIMATED DATE OF APPROVAL	L FOR SERVICE USE:		3/97				
3. EQUIPMENT ITEM(S) TO BE RE	EPLACED:	M122 TRIPOD					
4. EXTENT OF IMPROVEMENT OVER	R EQUIPMENT ITEM(S)	TO BE REPLACE	D:	THIS REDESIGN OF	THE TRIPOD USES	S ALUMINUM VICE	STEEL
				THEREBY LIGHTENI	NG THE LOAD FOR	THE INDIVIDUAL	MARINE
5. DEVELOPMENT CONTRACT INFO	RMATION	(RDT&E Fundir	ng Profile -	\$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPO	ONENT	THROUGH PY (FY1996	) CY (FY1997)	BY (FY1998)	BEYOND BY
NWSC, CRANE	CRANE, IN			\$ 0.460	\$ 0.057	\$	\$
				\$	\$	\$	\$
	I					4.	
				\$	\$	\$	\$
				\$	\$	\$	\$
					1 -	'	·
TOTAL RDT&E FUNDING				\$	\$ \$	\$ \$	\$
				\$ \$	\$ \$	\$ \$	\$
TOTAL RDT&E FUNDING REMARKS:				\$ \$	\$ \$	\$ \$	\$
				\$ \$	\$ \$	\$ \$	\$
				\$ \$	\$ \$	\$ \$	\$
			P-1 S	\$ \$	\$ \$	\$ \$	\$

ITEM NO. PAGE NO.

8

	"CODE B" ITEM :	DECCDIDTION			DATE		
			D 1 TEEN NOVE				
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOME			E GUN TRIPOD, LW	
PROCUREMENT, MARINE CORPS/BUDG	E.I. AC.I.IAI.I.A	2	_ _	MARINE ENHANCEMENT	PROGRAM (MEP)	RCN:	0
1. CURRENT DEVELOPMENT AND T	POT OTATIO				SCHEDULE DATE	RCN ·	U
1. CURRENI DEVELOPMENI AND I	ESI SIAIUS		CURRENT	LAST REPORTED	SCHEDOLE DAIE	REASON FOR DEL	7.37
			CORRENT	LASI KEPOKIED		KEASON FOR DEL	AI
a. Developmental Test & Evalua	ation (DTCF)	Plan/Actual	3/97				
b. Initial Operational Test &			3/91				
c. Operational Test & Evaluat		Plan/Actual	6/97				
d. Available Date of Technical			7/97				
or Performance Specific		) Plan/Accual	1/91				
2. ESTIMATED DATE OF APPROVAL			2/98				
3. EQUIPMENT ITEM(S) TO BE RE	PLACED:	M3 HMG TRIPOI	D				
4. EXTENT OF IMPROVEMENT OVER	EOUTPMENT TTEM(S)	TO BE REPLACE	D•	THIS REDESIGN OF	THE TRIPOD HSE	S ALIIMINIIM VICE	STEEL.
4. EXTENT OF IMPROVEMENT OVER	EQUIPMENT ITEM(S)	TO BE REPLACE	D:	THIS REDESIGN OF			
4. EXTENT OF IMPROVEMENT OVER	EQUIPMENT ITEM(S)	TO BE REPLACE	D:	THIS REDESIGN OF THEREBY LIGHTENIN			
4. EXTENT OF IMPROVEMENT OVER	EQUIPMENT ITEM(S)	FO BE REPLACE	D:				
4. EXTENT OF IMPROVEMENT OVER	EQUIPMENT ITEM(S)	TO BE REPLACE	D:				
4. EXTENT OF IMPROVEMENT OVER	EQUIPMENT ITEM(S)	TO BE REPLACE	D:				
				THEREBY LIGHTENIN			
5. DEVELOPMENT CONTRACT INFOR	MATION	(RDT&E Fundir	ng Profile - \$	THEREBY LIGHTENIN	IG THE LOAD FOR	THE INDIVIDUAL	MARINE
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	THEREBY LIGHTENIN  in Millions)  Through FY 1996	FY 1997	THE INDIVIDUAL  BY (联約)1998	MARINE BEYOND BY
5. DEVELOPMENT CONTRACT INFOR	MATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680	THE INDIVIDUAL  BY (時級)1998  \$	MARINE  BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680	THE INDIVIDUAL  BY (時級01998  \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions) Through FY 1996 0.270	FY 1997 \$ 0.680 \$	BY (母女01998 \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions) Through FY 1996 0.270	FY 1997 \$ 0.680	THE INDIVIDUAL  BY (時級01998  \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME NWSC, CRANE	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME  NWSC, CRANE  TOTAL RDT&E FUNDING	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME NWSC, CRANE	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME  NWSC, CRANE  TOTAL RDT&E FUNDING	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME  NWSC, CRANE  TOTAL RDT&E FUNDING	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME  NWSC, CRANE  TOTAL RDT&E FUNDING	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. <b>DEVELOPMENT CONTRACT INFOR</b> CONTRACTOR NAME  NWSC, CRANE  TOTAL RDT&E FUNDING	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions)  Through FY 1996  0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY
5. DEVELOPMENT CONTRACT INFORM CONTRACTOR NAME NWSC, CRANE  TOTAL RDT&E FUNDING REMARKS:	MATION PLANT LOCATION	(RDT&E Fundir	ng Profile - \$ ONENT	in Millions) Through FY 1996 0.270	FY 1997 \$ 0.680 \$ \$	THE INDIVIDUAL  BY (時致0)1998  \$ \$ \$ \$ \$ \$	BEYOND BY

"CODE B" ITEM	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENO	CLATURE:	DESIGNATED MARK	SMANSHIP RIFLE	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	2	MA	RINE ENHANCEMENT	PROGRAM (MEP)		
					RCN: 0	
1. CURRENT DEVELOPMENT AND TEST STATUS				SCHEDULE DATE		
		CURRENT	LAST REPORTED	F	REASON FOR DELAY	•
a. Developmental Test & Evaluation (DT&E)	Plan/Actual	5/96	F /06	SEVERE WEATHER		
b. Initial Operational Test & Evaluation (IOT&E)		4/97	5/96	SEVERE WEATHER		
c. Operational Test & Evaluation (OT&E)	Plan/Actual	5/97	10/96			
d. Available Date of Technical Data Package (TDF		12/96	12/96			
or Performance Specifications	/ Plan Accual	12/90	12/96			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		6/97				
	M1672 CADDIE	D BY SECOND MAN	TNI CNITOED TEAM			
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)  THE DMR WILL PROVIDE GREATER RA FOR THE DESIGNATED MARKSMAN.						
5. DEVELOPMENT CONTRACT INFORMATION	(DDTGE Fundi	ng Profile - \$	in Milliong)			
CONTRACTOR NAME PLANT LOCATION		ONENT	Through FY 1996	FY 1997	FY 1998	BEYOND BY
		\$	0.502		0 \$	0
		\$		\$ \$	\$	
		\$		\$ \$	\$	
		\$		\$ \$	\$	
		\$		\$ \$	\$	
TOTAL RDT&E FUNDING		\$	0.502	\$ 0.040 \$	0 \$	0
REMARKS:						
BLI NR. \$		P-1 SHO	PPING LIST			EXHIBIT P-19

ITEM NO.

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PAGE NO.

### DATE ####################################						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 2  MARINE ENHANCEMENT PROGRAM (MEP) RCN: 0  1. CURRENT DEVELOPMENT AND TEST STATUS  CURRENT LAST REPORTED REASON FOR DELAY  CURRENT LAST REPORTED REASON FOR DELAY  A. Developmental Test & Evaluation (DT&R) Plan/Actual 1/97 b. Initial Operacional Test & Evaluation (TOT&R) Plan/Actual 7/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications  2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMINITION. BY STRADBARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOTEN CONTRACT IMPROVEMENT OF THE FAIRING, AND SUPPORT WHILE MAINTAINING INCREASED  CONTRACTOR NAME PLANT LOCATION (ROTES Funding Profile - S In Millions)  CONTRACTOR NAME PLANT LOCATION (ROTES Funding Profile - S In Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 (CY (FYY11997 BY (FYY11998 BEYOND BY S S S S S S S S S S S S S S S S S S	"CODE B" ITEM DESCRIPTION			DATE		
RCN: 0  1. CURRENT DEVELOPMENT AND TEST STATUS  CURRENT LAST REPORTED  A. Developmental Test & Evaluation (DT&E) Plan/Actual 1/97 b. Initial Operational Test & Evaluation (TOKE) Plan/Actual 7/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 8/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 8/97 3. EQUIPMENT ITEM(\$) TO BE REPLACED:  THE COMPAT SHOTON NULL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, NAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED  LEVELS OF RELIABILITY AND SHOTON (RDT&E FUNDING PLEVEL SHE MAINTAINING INCREASED)  CONTRACTOR NAME PLANT LOCATION (RDT&E FUNDING POPEL S IN MIllions)  CONTRACTOR NAME PLANT LOCATION COMPONENT TRESUM PY 1995 CY (FMY11997 BY (FM9)1998 BEYOND BY \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOM	IENCLATURE:	SHOTGUN		
CURRENT DEVELOPMENT AND TEST STATUS	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY2		MARINE ENHANCEMENT	PROGRAM (MEP)		
a. Developmental Test & Evaluation (DT&B) Plan/Actual 1/97 b. Initial Operational Test & Evaluation (IOT&B) Plan/Actual 7/97 c. Operational Test & Evaluation (OT&B) Plan/Actual 8/97 d. Available Date of Technical Data Fackage (TDF) Plan/Actual 3/97 or Performance Specifications 2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(\$) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(\$) TO BE REPLACED:  THE COMEAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OP RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&F Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION (RDT&F Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 (Y (FFYlig97 BY (FFY)1998 BEYOND BY \$ \$ 0.877 \$ 0.8 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$					RCN:	0
a. Developmental Test & Evaluation (DT&E) Plan/Actual D. Initial Operational Test & Evaluation (IOTSE) Plan/Actual 7/97 c. Operational Test & Evaluation (OTSE) Plan/Actual 3/97 d. Available Date of Technical Data Package (TDF) Plan/Actual 3/97 or Performance Specifications  2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODILLARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILL MAINTAINING INCREASED LEVELS OF RELIABELITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&F Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through PY 1996 CY (FFY11997 BY (FFY)1998 BEYOND BY \$ 0 \$ 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1. CURRENT DEVELOPMENT AND TEST STATUS			SCHEDULE DATE		
b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual 7/97 c. Operational Test & Evaluation (OT&E) Plan/Actual 8/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications  2. ESTINATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABLITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (ROTAE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FYY11997 BY (FYG)1998 BEYOND BY  \$ \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$ \$  TOTAL ROTAE FUNDING \$ \$ 0.877 \$ 0 \$ 0 \$  REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-		CURRENT	LAST REPORTED		REASON FOR DEI	JAY
b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual 7/97 c. Operational Test & Evaluation (OT&E) Plan/Actual 8/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications  2. ESTINATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABLITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (ROTAE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FYY11997 BY (FYG)1998 BEYOND BY  \$ \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$ \$  TOTAL ROTAE FUNDING \$ \$ 0.877 \$ 0 \$ 0 \$  REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-						
b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual 7/97 c. Operational Test & Evaluation (OT&E) Plan/Actual 8/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications  2. ESTINATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABLITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (ROTAE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FYY11997 BY (FYG)1998 BEYOND BY  \$ \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$ \$  TOTAL ROTAE FUNDING \$ \$ 0.877 \$ 0 \$ 0 \$  REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-						
c. Operational Test & Evaluation (OTAE) Plan/Actual 8/97 d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications  2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED  LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDTVE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FFY1997 BY (FFY)1998 BEYOND BY  \$ 0.877 \$ 0 \$ 0 \$  \$ 1 \$ \$ \$ \$ \$ \$ \$  TOTAL RDTWE FUNDING \$ \$ 0.877 \$ 0 \$  TOTAL RDTWE FUNDING \$ \$ 0.877 \$ 0 \$  REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-						
d. Available Date of Technical Data Package (TDP) Plan/Actual 3/97 or Performance Specifications 2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOOTER COMPIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDTWE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FFY11997 BY (FFY)1998 BEYOND BY  \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$  TOTAL RDTWE FUNDING \$ 0.877 \$ 0 \$ 0 \$  REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-						
Or Performance Specifications   9/97						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: 9/97  3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FFY11997 BY (FFY9)1998 BEYOND BY \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$ \$ \$  \$ \$ \$ \$ \$ \$		3/97				
3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN  4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUBPLY, MAINTENANCE, TRAINING, AND SUBPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (F\(\f{F}\)1997 BY (F\(\f{F}\)9)1998 BEYOND BY  CONTRACTOR NAME PLANT LOCATION S 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$ \$  TOTAL RDT&E FUNDING \$ 0.877 \$ 0 \$  REMARKS:  BLI NR \$ P-1 SHOPPING LIST EXHIBIT P-						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:  THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDTSE Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FFY1997 BY (FF0)1998 BEYOND BY \$ 0.877 \$ 0 \$ 0 \$ 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		9/97			
THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL IMPROVEMENTS IN PERFORMANCE AND MODULARITY OVER THE EXISTING SYSTEMS AND AMMUNITION. BY STANDARDIZING SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (FFY11997 BY (FFY)1998 BEYOND BY  \$ 0.877 \$ 0 \$ 0 \$  \$ \$ 0.877 \$ 0 \$  \$ \$ \$ \$ \$  \$ \$ \$ \$ \$  TOTAL RDT&E FUNDING \$ 0.877 \$ 0 \$  REMARKS:  BLI NR\$ P-1 SHOPPING LIST EXHIBIT P-	3. EQUIPMENT ITEM(S) TO BE REPLACED: M870 SHOTGUN	1				
SUPPLY, MAINTENANCE, TRAINING, AND SUPPORT WHILE MAINTAINING INCREASED  LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.  5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Funding Profile - \$ in Millions)  CONTRACTOR NAME PLANT LOCATION COMPONENT Through FY 1996 CY (F\( \frac{1}{2} \) 1997 BY (F\( \frac{1}{2} \) 1998 BEYOND BY  \$ 0.877 \$ 0 \$ 0 \$  \$ \$ \$ \$ \$ \$  \$ \$ \$ \$ \$ \$  \$ \$ \$ \$	THE COMBAT SHOTGUN WILL PROVIDE SUBSTANTIAL	IMPROVEMENTS				
LEVELS OF RELIABILITY AND SHOOTER CONFIDENCE.   5. DEVELOPMENT CONTRACT INFORMATION						
S. DEVELOPMENT CONTRACT INFORMATION						
\$ 0.877 \$ 0 \$ 0 \$	5. DEVELOPMENT CONTRACT INFORMATION (RDT&E Fundi	ng Profile -	\$ in Millions)			
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	CONTRACTOR NAME PLANT LOCATION COME	PONENT	Through FY 1996	CY (F#\f11997	3Y (F <b>¥</b> ₽)1998	BEYOND BY
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$ 0.877	\$ 0 5	j 0	\$ 0
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$			\$	\$	3	\$
S   S   S   S   S   S   S   S   S   S			\$	\$	<b>3</b>	\$
### TOTAL RDT&E FUNDING ### 0.877 \$ 0 \$ 0 \$    REMARKS: ####################################			\$	\$	3	\$
REMARKS:  BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-			\$	\$	3	\$
BLI NR. \$ P-1 SHOPPING LIST EXHIBIT P-	TOTAL RDT&E FUNDING		\$ 0.877	\$ 0 5	3 0	\$ 0
	REMARKS:					
	BLI NR. \$	P-1 S	SHOPPING LIST			EXHIBIT P-19
		ITEM NO.	PAGE NO.			
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BUDGET ACTIVITY: PRO	CUREM	ENT N	MARIN	IE COI	RPS/BUD	GET ACTI	:YTIVI			2			P-1 I				URE:	MA	RINE	ENHAN	CEMEN	NT PR	OGRAN	M							<u> </u>	RCN		14259	б										
		S		. ]	PROGRAM	QUANTIT	ГҮ		ACC	BAL	FIS	CAL Y	EAR:									FIS	CAL Y	YEAR:									FISC	AL YEAF	<b>:</b>		99								L
		E							PRIOF	DUE	CY:	96		CALEI	NDAR Y	YEAR:	1	-1	97		71	1			CALE	ENDAF	R YEA	AR:			98		10	1		CALI	ENDAF	R YEA	<u>R:</u>			99			A
ITEM AND MANUFACTURE	U/M	R V	FY	FY	FY	FY	FY	FY	TO 1 OCT	AS OF	OCT	NOV	DEC	AN F	FEB M	AR AI	PR MA	Y JU	N JU	L AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL AU	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG E		T E
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REMARKS:

BLI NR. 221100

REORDER (Previous Son P-1 SHOPPING LIST ITEM NO. PAGE NO. 8 - 9

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REMARKS:

REORDER (Previous Source)

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
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BLI NR. 221100

	ASSET DYNAMICS	S		DATE:		
TAMCN/DODIC: ACQUISITION OBJECTIVE:	E1121 5,200	ITEM NAME: RCN:	MEDIUM MACHINE GU	N TRIPOD, LIGH	rweight	
GAINS:  *FY BUDGET  *OTHER	ENDING INVENTORY 30 SEP 1995	FY 1996	FY 1997 5200	FY 199		FY 1999
TOTAL		0	5200			0
LOSSES:  *COMBAT USMC  *COMBAT ALLIES  *PEACETIME  *WASHOUT  *SALES  *OTHER  TOTAL		0			0	0
NET CHANGE (+/-)		0	5200		0	0_
ASSET POSITION:  *STD SERVICEABLE  *STD UNSERVICEABLE  *SUB SERVICEABLE  *SUB UNSERVICEABLE			5200			
TOTAL \$M VALUE	\$	0	5200 \$ 4.2	\$	200_ \$	5200
% A/O ON HAND/FUNDED	8	0	_% <u>100</u>	%	L00_%	100_%
COMMENTS:			FY 1998 RECOMMENT	VAL	UE: \$ ITY:	0 0 M 0 0 M
BLI NR. 221100		P-1 SH ITEM NO. 8	HOPPING LIST PAGE NO 11			EXHIBIT P-202

	ASSET DYNAMICS	S		DATE:	
		ITEM NAME:	HEAVY MACHINE GUI	N TRIPOD, LIGHTWEIGHT	
TAMCN/DODIC:	E1115	RCN:			
ACQUISITION OBJECTIVE:	6,088			_	
	ENDING				
	ENDING				
	INVENTORY	TT 1006	T. 100F	Tr. 1000	Tr. 1000
	30 SEP 1995	FY 1996	FY 1997	FY 1998	FY 1999
GAINS:				F.0.2	E0.2
*FY BUDGET			_	703	703
*OTHER				_	
TOTAL		0	0		703
LOSSES:					
*COMBAT USMC					
*COMBAT ALLIES			_		
*PEACETIME			_		
*WASHOUT			_		
*SALES			_	_	
			_	_	
*OTHER					
TOTAL		0	0	0	0
NET CHANGE (+/-)		0	0	703	703
ASSET POSITION:					
*STD SERVICEABLE				703	1406
*STD UNSERVICEABLE					
*SUB SERVICEABLE					
*SUB UNSERVICEABLE			_	_	
SUB UNSERVICEABLE			_	_	
TOTAL	0	0	0	703_	1406
\$M VALUE	\$		_ \$	\$\$	\$1.4_
% A/O ON HAND/FUNDED	0.0 %	0.0	§ 0.0	_% <u>11.5</u> %	%
COMMENTS:			FY 1998 PECOMMEN	DED BUY - QUANTITY:	703
SUYS WERE MADE FOR INFAN	ייפע וואן דיפ אוו.ע פי <i>י</i> טי	אווכב טב אואיייונ		VALUE:	\$ 0.7 M
OF FUNDING. FUNDS MUST				DED BUY - QUANTITY:	703
EMAINING TRIPODS TO THE			LI IDDD KECOMENI	VALUE:	\$ 0.7 M
BLI NR. 221100		P-1 SF	OPPING LIST		EXHIBIT P-20A
		ITEM NO.	PAGE NO.		
		8	- 12		

				DATE:	
		ITEM NAME:	DESIGNATED MARKSI	MANSHIP RIFLE	
TAMCN/DODIC:	E0311	RCN:			
ACQUISITION OBJECTIVE:	588			_	
	THETHO				
	ENDING				
	INVENTORY	1006	1005	1000	1000
	30 SEP 1995	FY 1996	FY 1997	FY 1998	FY 1999
GAINS:					
*FY BUDGET			547	41_	
*OTHER					
TOTAL		0	547	41	0
LOSSES:					
*COMBAT USMC					
*COMBAT ALLIES			_		
*PEACETIME		-			
*WASHOUT			_		
*SALES			<del></del>		
*OTHER			<del>_</del>	_	
TOTAL		0	0	0	0
NET CHANGE (+/-)		0	547	41_	0
ASSET POSITION:					
*STD SERVICEABLE			547	588	
*STD UNSERVICEABLE					
*SUB SERVICEABLE					
*SUB UNSERVICEABLE					
TOTAL.	0	0	E 4 E	F00	500
TOTAL		0	_		588_
\$M VALUE	\$		_ \$1.2	\$\$	\$
% A/O ON HAND/FUNDED	0.0 %	0.0	93.0	_%%	%
COMMENTS:			FY 1998 RECOMMEN	DED BUY - QUANTITY:	41
				VALUE:	\$ 0.1 M
			FY 1999 RECOMMEN	DED BUY - QUANTITY:	0
				VALUE:	\$
BLI NR. 221100		P-1 SH	 HOPPING LIST		EXHIBIT P-20
		ITEM NO.	PAGE NO.		
		8	- 13		

	ASSET DYNAMIC	CS				DATE:			
			SH	HOTG	UN				
TAMCN/DODIC:	E1760	RCN:							
ACQUISITION OBJECTIVE:	4,815								
	ENDING								
	INVENTORY								
	0	0	_	_	0	_	P-1 ITEM NOMEN	CLA <u>TU</u>	JRE: 0
GAINS:							012		1766
*FY BUDGET *OTHER			_			-	913		1766
TOTAL		0	-	_	0	-	913		1766
		-	_	_	<u>-</u>	-			
LOSSES:									
*COMBAT USMC		-	_	_		_			
*COMBAT ALLIES			_	_		-			
*PEACETIME			-	_		_			
*WASHOUT			_	_		-			
*SALES *OTHER			-	_		-			
TOTAL		0	-	_	0	-	0		0
TOTAL			_			-	<u> </u>		<u> </u>
NET CHANGE (+/-)		0			0		913		1766
ASSET POSITION:									
*STD SERVICEABLE			_	_		_	913		2679
*STD UNSERVICEABLE			_	_		-			
*SUB SERVICEABLE *SUB UNSERVICEABLE			-	_		-			
"SUB UNSERVICEABLE			_	_		-			
TOTAL	0	0			0		913		2679
\$M VALUE	\$		_	\$_		\$	0.7	\$	1.4
% A/O ON HAND/FUNDED	0.0 %	0.0	_ %	_	0.0	<b>%</b> _	19.0 %		55.6 %
COMMENTS:				ΕV		עזזם חי	- QUANTITY:		913
COMMEN 15:				ГІ	O RECOMMENDE	וטם עו	VALUE:	\$	0.7 M
				FY	1 RECOMMENDE	D BUY	- QUANTITY:	٧	1766
							VALUE:	\$	1.4 M
BLI NR. 0	_	P-1 SH							EXHIBIT P-20A
		ITEM NO.			PAGE NO. 14				
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	ASSET DYNAMICS			DATE:	
		ITEM NAME:	DIVERS' PROPULSIO	ON DEVICE	
TAMCN/DODIC:	C4547	RCN:			
ACQUISITION OBJECTIVE:	126	-		-	
	ENDING				
	ENDING				
	INVENTORY				
	0	0	0	P-1 ITEM NOME	NCLATURE: 0
GAINS:					
*FY BUDGET			126		
*OTHER					
TOTAL	-	0	126	0	0
101111					
Toggna.					
LOSSES:					
*COMBAT USMC					
*COMBAT ALLIES					
*PEACETIME					
*WASHOUT					
*SALES					
*OTHER	-				
TOTAL		0	0	0	0
NET CHANGE (+/-)		0	126	0	0
ASSET POSITION:					
*STD SERVICEABLE			126		
*STD UNSERVICEABLE					
*SUB SERVICEABLE		_			
				<del></del>	
*SUB UNSERVICEABLE					
TOTAL	0	0	126	126_	126
\$M VALUE	\$ _		\$ 2.3	_ \$	\$
% A/O ON HAND/FUNDED	0.0 %	0.0	% 100.0	% <u>100.0</u>	% 100.0 %
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COMMENTS:			FV U BEC∪WWEND	ED BUY - QUANTITY:	0_
COMMENTO.			FI O KECOMBEND		
			DI 1 DD 00	VALUE:	\$0 M
			FY I RECOMMEND	ED BUY - QUANTITY:	0
				VALUE:	\$0_M
				20	
BLI NR. 0		P-1 SHC	OPPING LIST		EXHIBIT P-20A
		ITEM NO.	PAGE NO.		
		8	- 15		

PROGRAM NAME: MEP - MEDIUM MACHINE GUN TRIPOD (LIGHTWEIGHT)

# SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	924
DEPOT MAINTENANCE FLOAT:	152
TOTAL:	1076

# **INITIAL ISSUE**

I MARINE EXPEDITIONARY FORCE:	929
II MARINE EXPEDITIONARY FORCE:	965
III MARINE EXPEDITIONARY FORCE:	581
SELECTED MARINE CORPS RESERVE:	608
SUPPORT ESTABLISHMENT:	1041
NORWAY AIR LANDED BRIDGADE:	0
TOTAL:	4124

# APPROVED ACQUISITION OBJECTIVE 5200

221100 P-1 ITEM 8-16

PROGRAM NAME: HEAVY MACHINE GUN TRIPOD

# SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	654
DEPOT MAINTENANCE FLOAT:	(
TOTAL:	654

# INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:	1350
II MARINE EXPEDITIONARY FORCE:	1366
III MARINE EXPEDITIONARY FORCE:	675
SELECTED MARINE CORPS RESERVE:	690
SUPPORT ESTABLISHMENT:	1353
NORWAY AIR LANDED BRIDGADE:	0
TOTAL:	5434

# APPROVED ACQUISITION OBJECTIVE 6088

PROGRAM NAME: <b>DESIGNATED MARKSMANSHIP</b> F	RIFLE
SUSTAINMENT	
WAR RESERVE MATERIAL REQUIREMENT:	27
DEPOT MAINTENANCE FLOAT:	60
TOTAL:	87
INITIAL ISSUE	
I MARINE EXPEDITIONARY FORCE:	134
II MARINE EXPEDITIONARY FORCE:	110
III MARINE EXPEDITIONARY FORCE:	13
SELECTED MARINE CORPS RESERVE:	88
SUPPORT ESTABLISHMENT:	156

NORWAY AIR LANDED BRIDGADE:

APPROVED ACQUISITION OBJECTIVE

TOTAL:

221100 P-1 ITEM 8-18

0

501

588

PROGRAM NAME: JOINT COMBAT SHOTGUN

# SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	0
DEPOT MAINTENANCE FLOAT:	830
TOTAL:	830

# INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:	549
II MARINE EXPEDITIONARY FORCE:	1662
III MARINE EXPEDITIONARY FORCE:	568
SELECTED MARINE CORPS RESERVE:	331
SUPPORT ESTABLISHMENT:	875
NORWAY AIR LANDED BRIDGADE:	0
TOTAL:	3985

# APPROVED ACQUISITION OBJECTIVE 4815

221100 P-1 ITEM 8-19

SUSTAINMENT	
WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	0 0 0
INITIAL ISSUE	
I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIDGADE: TOTAL:	36 36 36 18 0 0
APPROVED ACQUISITION OBJECTIVE	126

PROGRAM NAME: DIVERS PROPULSION SYSTEM

BUDGET ITEM JUSTIFICATION SHEET					DATE						
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:						
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 2				LT WT 155MM HOWITZER (LW155)							
				RCN: 021012							
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003			
QUANTITY	0	0	0	0	70	120	120	120			
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 0.0	\$ 7.6	\$ 106.4	\$ 148.4	\$ 142.1	\$ 142.0			

The LW155 replaces the M198 howitzer and will be the sole USMC artillery weapon for all forces and missions. A 45% reduction in weight compared to the current system allows for greater strategic and tactical mobility while maintaining or improving range, weapon stability, accuracy, and durability.

Battlefield mobility and rates of fire are also significantly improved creating a weapon that is more survivable and lethal. Long lead funding in FY99 allows for procurement of pre-production tooling which allows production to start immediately upon approval of the MS III decision. Without long lead funding the program will be delayed/idle for at least one year. The LW155 is currently a Codde BBittem with Code approval anticipated prior

Request for Proposal (RFP) was released in April 1996. Technical test and operational assessment completed on schedule in December 1996. Source Selection Board and EMD contract award to occur in March 1997.

BLI NR. 218500

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION ACTIVITY TITLE/N PROCUREMENT, MAN BUDGET ACTIVITY	NO: RINE CORPS		DEL/SERIES/POF HOWITZER (LW155		C. MANUFACTU PLANT CITY/S LOCATION	D. DATE		
WEAPON SYSTEM	IDENT.	FY 1996	QTY	FY 1997	QTY	FY 1998	QTY	FY 1999	QTY
COST ELEMENTS	CODE	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
Production Facilities Carriage&Recoil Tooling Gages									4413 2400 777
Long lead funding will pur The actual items and cost							)/plus set-up	time.	777
moma									
TOTAL COST			0		0		0		7590

BLI NR. 218500

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9 - 2

	PI	ROCUREMENT F	HISTORY & PL	ANNING				DA'I'E':		
APPROPRIATION/BUDGET .	ACTIVITY:				P-1 TTEM NO	MENCLATURE:		•		
		77	2							
PROCUREMENT, MARINE C	ORPS/BUDGET ACTIVIT	ĭ	2	-	TI MI TOOMIN	HOWITZER (	TMT22)	D.CNI.	001010	
		1	1	ı		1	ı		021012	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
FISCAL YEAR	LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL
						~				
LONG LEAD TOOLING										
FY 99	TBD	CPIF	TACOM	JAN 99	TBD	Various	Not Avail	NO	NO	TBD

#### REMARKS:

Long lead funding covers factory pre-production tooling (\$7.6M) necessary for the production line to be set-up and operating immediately after the MS III decision (Jan 00). These values are current government best estimates and will be adjusted upon receipt of the selected contractor's selection in 2QTR FY97. Authorization of long lead funding is subject to an in process review prior to the release of funds (est Jan 99).

BLI NR21	.8500	P-	-1 SHOPPING LIST	EXHIBIT P-5A
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		9	- 3	

"CODE B" ITEM DESCRIPTION			DATE
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENO	CLATURE:	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 2	L':	T WT 155MM HOWITZER	(LW155)
			RCN: 021012
1. CURRENT DEVELOPMENT AND TEST STATUS		S	SCHEDULE DATE
	CURRENT	LAST REPORTED	REASON FOR DELAY
a. Developmental Test & Evaluation (DT&E) Plan/Actual b. Initial Operational Test & Evaluation (IOT&E) Plan/Actual			
c. Operational Test & Evaluation (OT&E) Plan/Actual	APR 99		
d. Available Date of Technical Data Package (TDP) Plan/Actual	FEB 99		
or Performance Specifications			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	2QTR 00		
3. EQUIPMENT ITEM(S) TO BE REPLACED:	M198 HOWITZER		

#### 4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:

The LW155 will achieve a 45% reduction in weight compared to the current M198 resulting in improved strategic and tactical transportability. Emplacement and dispacement times are half of the M198 resulting in greatly improved battlefield mobility. These improvements result in a much more lethal and survivable weapon.

5.	5. DEVELOPMENT CONTRACT INFORMATION (		(RDT&E Funding Profil	e - \$ in Mi	llions)					
	CONTRACTOR NAME	PLANT LOCATION	COMPONENT	THROUGH	H PY (FY1996)	CY	(FY1997)	BY	(FY1998)	BEYOND BY
TBD		TBD	LW155	\$	20.770	\$	13.269	\$	35.303 \$	42.539
				\$		\$		\$	\$	
				\$		\$		\$	\$	
				\$		\$		\$	\$	
				\$		\$		\$	\$	
	TOTAL RDT&E FUNDIN	īG		\$	20.77	\$	13.269	\$	35.303 \$	42.539

#### REMARKS:

Phase II DT is scheduled for 3QTR FY98- 2QTR FY99.

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